

1. Product and Company Information

Product Identifier: ALB 747-20

General Use:

Hydrofluoric acid based aluminum brightener.

Product Description:

Pink liquid with strong acid odor

Manufactured By:

Craft Laboratories, Inc.
1901 Lakeview Drive
Fort Wayne, IN 46808
260-432-9467 / 800-535-5053
www.craftlabs.com / info@craftlabs.com

Emergency Contact:

INFOTRAC
200 North Palmetto Street
Leesburg, FL 34748
800-535-5053 / Service 24/7

2. Hazards Identification

GHS Hazard Classification:

Specific Target Organ Toxicity, Single Exposure; Category 1
Skin Corrosion; Category 1A
Serious Eye Damage; Category 1
Carcinogenicity; Category 1A
Corrosive to metals; Category 1

Human Health Hazards:

H305 May be harmful if swallowed and enters airways
H314 Causes severe skin burns and eye damage

Signal Word(s): Danger

Hazardous Statements - Physical:

H290 May be corrosive to metals

Hazardous Statements - Health:

H370 Causes damage to organs
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage

Hazard Pictograms:



Precautionary Statement(s):

P260 Do not breathe dust/fume/gas/mist/vapors/spray
P262 Do not get in eyes, on skin, or on clothing
P264 Wash thoroughly after handling
P281 Use personal protective equipment as required
P331 DO NOT induce vomiting
P102 Keep out of reach of children
P103 Read label before use

3. Composition / Information on Ingredients

Ingredient:	CAS#:	Concentration:
Hydrofluoric Acid	7664-39-3	< 15%

4. First Aid Measures

Eyes:

Immediately flush eyes with cool water for at least 15 minutes, while lifting upper and lower lids. If applicable, remove contact lenses. Rinse for an additional 15 minutes. Seek immediate medical attention.

Skin:

Immediately remove contaminated clothing and/or shoes. Flush affected areas with water until irritation subsides. If in contact with hands, pay special attention to rinsing under fingernails. Seek immediate medical attention as chemical burns must be treated promptly by a physician. Wash contaminated clothing before reuse.

Inhalation:

Immediately remove exposed individual to fresh air. Administer artificial respiration or oxygen if breathing becomes difficult. Seek medical attention.

Ingestion:

DO NOT INDUCE VOMITING unless directed to do so by a medical professional. Rinse mouth thoroughly with water. Drink large quantities of water or milk with added milk of magnesia. Seek immediate medical attention.

5. Fire Fighting Measures

Suitable Extinguishing Media:

Use media suitable for surrounding fire. This may include water spray or fog, dry chemical, foam or carbon dioxide.

Specific Protective Equipment:

Self-contained breathing apparatus; full protective clothing

Hazardous Combustion Products: None known

Unusual Hazards:

Exposure to excessive heat will result in the release of strong acid fumes.

6. Accidental Release Measures

Spill or Leak Procedures:

This is a corrosive substance. Wear protective clothing and equipment at all times. Avoid contact with skin, eyes, or clothing and ensure adequate ventilation. Neutralize with lime or soda ash. Prevent material from entering waterways, sewers or confined spaces. Stop or reduce leak if it can be done safely. Contain spill with earth, sand or absorbent material that does not react with spilled material. Transfer to covered plastic containers for recovery or disposal. Flush area with water. Dispose of waste and clean up materials in accordance with regulations.

7. Handling and Storage

Handling Precautions:

Wear personal protective equipment at all times. Use with adequate ventilation and do not breathe vapor or mist. Do not swallow. Avoid contact with eyes and prolonged contact with skin. Wash hands after using and before smoking or eating.



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Effective: 04/20/2015

Version: 1.0

7. Handling and Storage (Continued)

Storage Conditions:

Store in a secure, dry area out of direct sunlight. Store unused portion in original container. Keep container closed when not in use. Store at moderate temperatures. The shelf life of this product is one (1) year. Do not reuse container.

8. Exposure Controls and Personal Protection

Engineering Controls:

Exhaust ventilation or other engineering controls to keep airborne concentration vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

Personal Protective Equipment

Eyes:

Approved safety glasses or splash goggles and face shield

Skin:

Wear appropriate protective clothing to prevent skin contact including impermeable chemical handling gloves (such as nitrile or rubber); synthetic coat and apron; and chemical resistant boots.

Inhalation: Wear appropriate respirator when ventilation is inadequate.

Other:

Eye wash facilities in case of exposure to eyes and shower facility in case of exposure to skin.

OSHA Hazardous Components (29 CFR 1910.1200)

OSHA NIOSH Hydrogen fluoride (as F)

ACGIH®_USA (2005):

TWA 0.5 ppm/TLV TWA 0.38 mg/m3/TLV
TWA 2 ppm/ceiling 1.5 mg/m3- ceiling

OSHA:

PEL 3 ppm STEL 6 ppm (15min)

NIOSH: IDLH 30 ppm

AIHA Emergency Response Planning Guidelines:

ERPG_1/2 ppm ERPG_2/20 ppm ERPG_3/50 ppm

ACGIH® and TLV® are registered trademarks of the American Conference of Governmental Industrial Hygienists.

9. Physical and Chemical Properties

Appearance: Pink liquid
Odor: Strong acid odor
Odor Threshold: Not established
pH: 3.2
Melting Point: Not established
Freezing Point: Not established
Boiling Point/Range: 212°F (100°C)
Flash Point: Not Established
Method: Not applicable
Evaporation Rate: < 1
Flammability Limits: Not established
Conditions of Flammability: Not established

9. Physical and Chemical Properties (Continued)

Explosive Properties: Not established
Vapor Pressure: 17.5
Vapor Density: 1.18
Relative Density: 1.05
Solubility: Completely Soluble in water
Auto-Ignition Temperature: Not established
Coefficient of Water/
Oil Distribution: Not available

10. Stability and Reactivity

Stability:

This product is stable at under normal conditions and at ambient temperatures

Conditions of Reactivity: Not established

Incompatible Materials: Strong caustics and alkaline

Conditions to Avoid:

Heat, sparks, flame and contact with incompatible materials

Hazardous Decomposition: Acid fumes of hydrofluoric acid

Hazardous Polymerization: Will not occur

11. Toxicological Information

Likely Routes of Exposure and Related Effects

Eyes:

Prolonged or repeated contact may cause severe irritation and possible damage including blindness.

Skin:

Corrosive to skin. Amount of tissue damage depends on length of contact. Frequent or prolonged contact causes irritation including inflammation, redness, blistering and burns.

Inhalation:

Mist from spray may cause coughing, sneezing, severe irritation of nose and throat, or shortness of breath. May cause upper respiratory tract ulcers and lung damage.

Ingestion:

Harmful if swallowed; causes severe burning of mucous membranes in the mouth, throat, esophagus and stomach. Ingestion may cause organ damage.

Acute Toxicity Components

Component:	Code:	Type:	Species:	Result:
Hydrofluoric Acid	LC50	Inhalation	Rat	850 – 1070 ppm/1 hr
		Oral	Guinea Pig	80 mg/kg (2% solution)
	LD100	Dermal		No data available

Immediate, Delayed and Chronic Effects

Immediate Effects:

Corrosive effect for eyes, skin and respiratory tract. Inhalation results in reaction with mucous membranes.

11. Toxicological Information (Continued)

Immediate, Delayed and Chronic Effects (Continued)

Delayed Effects:

Skin corrosion. Risk of effect on liver and kidneys.

Chronic Effects:

Risk of toxic effect on reproductive systems. Dental or skeletal fluorosis.

Chronic Toxicity

After prolonged exposure

Component:	Type:	Species:	Result:
Sodium fluoride	Inhalation	Rat	Observed effect on respiratory system, eyes, kidney, liver
	Oral	Rat/ Mouse	
			Observed effect on skeleton, thyroid, testes, kidney, liver (1 mg/kg)

Target Organ Effects:

Specific Target Organ Toxicity, Single Exposure; Category 1
Skin Corrosion; Category 1A
Serious Eye Damage; Category 1
Respiratory Sensitization; Category 1
Kidney, Liver Damage; Category 1
Carcinogenicity; Category 1A

Carcinogenicity

The carcinogenic effect found in animals is not demonstrated in humans.

IARC: Not listed

Toxicology Program: Not listed

OSHA:

OSHA NIOSH Hydrogen fluoride (as F)

ACGIH®_USA (2005):

TWA 0.5 ppm/TLV TWA 0.38 mg/m³/TLV
TWA 2 ppm/ceiling 1.5 mg/m³- ceiling

OSHA:

PEL 3 ppm STEL 6 ppm (15min)

NIOSH: IDLH 30 ppm

California Prop 65:

This product is not subject to the reporting requirements under California's Proposition 65

Reproductive Toxicity: Not available

Teratogenicity: Not available

Mutagenicity: Not available

Synergistic Products: Not available

12. Ecological Information

Ecotoxicity:

Components of this product have been identified as having potential environmental concerns.

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

Component:	Code:	Species:	Result:
Sodium fluoride	LC50	Salmo gairdneri	51 mg/l; 96 hours

Ecotoxicity - Freshwater Crustacea - Acute Toxicity Data

Component:	Code:	Species:	Result:
Sodium fluoride	EC50	Daphnia magna	97 mg/l; 48 hours

Ecotoxicity - Saltwater Crustacea - Acute Toxicity Data

Component:	Code:	Species:	Result:
Sodium fluoride	EC50	Mysidopsis bahia	10.5 mg/l; 96 hours

Ecotoxicity - Algae - Acute Toxicity Data

Component:	Code:	Species:	Result:
Sodium fluoride	EC50	Scenedesmus sp), 43 mg/l; 96 hours

Ecotoxicity - Freshwater Fish - Chronic Toxicity Data

Component:	Code:	Species:	Result:
Sodium fluoride	LC50	Salmo gairdneri	3.7 mg/l; 21 days

Ecotoxicity - Freshwater Crustacea - Acute Toxicity Data

Component:	Code:	Species:	Result:
Sodium fluoride	NOEC	Daphnia magna	3.7 mg/l; 21 days

Persistence and Degradability

Air: Neutralization by natural alkalinity

Water/Soil: Ionization/neutralization of inorganic and organic materials
Complexation/precipitation of inorganic materials

Degradation products:

Aluminum, iron, calcium, phosphate, complexes and/or precipitates as a function of pH

Bioaccumulative Potential:

Log Po/w: not applicable (ionizable inorganic compound)
Accumulation into vegetable leaves

Mobility in Environmental Media

Air: Mobility in aerosol form

Water: Considerable solubility and mobility

Soli/Sediments: Adsorption on mineral soil constituents

Environmental Effects:

Product fate is highly dependent on environmental conditions including pH, temperature, oxidoreductive potential, and mineral and organic content of the medium

Aquatic Toxicity:

Product hazard for aquatic environment is limited due to low chronic toxicity

Partition Coefficient: Not available

13. Disposal Considerations

Waste residues should be disposed of in approved waste facility according to Federal, State, and local regulations.

14. Transportation Information

DOT (Department of Transportation) Information

UN Number:	1790
Proper Shipping Name:	Hydrofluoric Acid, Solution
Hazard Class(es):	8
Packaging Group:	II

15. Regulatory Information

CERLA (Comprehensive Environment Response Compensation and Liability Act):

Final RQ pounds (Kg)	5000 (2270)
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OSHA Hazard Communication Standard, 29 CFR 1910.1200:

Hazardous Statements - Physical:

H290 May be corrosive to metals

Hazardous Statements - Health:

- H370 Causes damage to organs
- H314 Causes severe skin burns and eye damage
- H318 Causes serious eye damage

SARA Title III (Superfund Amendments and Reauthorization Act):

- SARA 302 No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
- SARA 313 Hydrofluoric acid is subject to the reporting levels established by SARA Title III, Section 313; Revision Date 1993-04-24
- SARA 311/312 Acute Health Hazard


TSCA (Toxic Substances Control Act): All ingredients are listed/exempt

California Prop 65:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

HMIS Hazard Rating:

HEALTH	3	0 - Least	
FLAMMABILITY	0	1 - Slight	
REACTIVITY	1	2 - Moderate	
PERSONAL PROTECTION	X	3 - High	
		4 - Extreme	

CONSULT A SUPERVISOR FOR SPECIFIC HANDLING DIRECTIONS AND PRECAUTIONS

Revision Number/Effective Date:	Revision 1; 04/20/2015
Reason for Issue:	GHS Standard Compliance
Prepared By:	Nicole Wallens

16. Other Information (Continued)

Approved By: Bill Munsie, General Manager
Craft Laboratories, Incorporated

Disclaimer:

The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.



BACK-SET Molecular Cement Dissolver

Safety Data Sheet

According To Federal Register / Vol. 77 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 2015-03-24 Date Of Issue: 2015-03-24 Version: 2.0

SECTION 1: IDENTIFICATION

1.1. Production Identifier

Product Form: Mixture

Product Name: Back-Set Molecular Cement Dissolver

Product Code: back001

1.2. Intended Use of the Product

Use of the substance/mixture: Cleaning Compound

1.3. Name, Address, and Telephone of the Responsible Party

Company

Romix, Inc.

P.O. Box 1110

Colleyville, Texas 76034

1-800-331-2243

romixchem.com

1.4. Emergency Telephone Number

Emergency Number:

Chem-Tel 1-800-255-3924, Romix 1- 800-331-2243

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US) (Canada)

Not Classified

2.2. Label Elements

GHS-US Labeling

No labeling applicable

2.3. Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 COMPONENT/SUBSTANCE	CAS-NO.	CONCENTRATION
ORGANIC CARBOXYLIC COMPOUND	*TRADE SECRET	*TRADE SECRET
MASODOL 91-8 Linear Alcohol Ethoxylate Surfactant	68439-46-3	1.5%

3.2 Trade Secret Proprietary Status:

**Canadian Reference: HMIRA Registry Number 9337 Decision Granted Date: 2015-03-24

USA Reference: Section 4.11 CBI guide to GHS, OSHA 29 CFR 19.200 (f1) and/or CFR 350.

Should an emergency situation occur further substance information may be obtained by emergency room physician by calling the emergency information numbers(s) shown above

3.3 Mixture

This mixture and its components are not considered a hazard when used in a manner which is consistent with label instructions. 29 CFR 1910.1200 (f1) and the properties and effects of the components of this product are disclosed in this SDS.

SECTION 4: FIRST AID MEASURES



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4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

First-aid Measures After Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Rinse immediately with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures after Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2. Most Important Symptoms and Effects, both Acute and Delayed

Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries after Eye Contact: May cause eye irritation.

Symptoms/Injuries after Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible)

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing vapor, mist, or spray.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and Materials for Containment and Cleaning Up



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For Containment: Contain any spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

7.3. Specific End Use(s)

Truck Wash

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product.

8.2. Exposure Controls

Appropriate Engineering Control: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers

should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: No Occupational Exposure Limits (OELs) have been established for this product.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State:	Liquid
Appearance:	Amber Clear
Odor:	Mild, Burnt Sugar, Pleasant
Odor Threshold:	No Data Available
pH:	3>



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Evaporation Rate:	No Data Available
Melting Point:	No Data Available
Freezing Point:	32°F (0°C)
Boiling Point:	100 °C 214°F
Flash Point:	N/A
Auto-ignition Temperature:	No Data Available
Oxidizing:	No
Decomposition Temperature:	No Data Available
Flammability:	Not Flammable
Vapor Pressure:	No Data Available
Vapor Density:	(Air=1) >1
Relative Vapor Density at 20°C:	No Data Available
Relative Density:	No Data Available
Specific Gravity:	Water (1) 1.085
Solubility In Water:	Complete
Partition Coefficient: N-octanol/water:	No Data Available
Viscosity:	That of Water
VOC'S:	None

9.2. **Other Information:** No additional information available.

SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. **Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.
- 10.5. **Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.
- 10.6. **Hazardous Decomposition Products:** Should not occur. If in fire Carbon Oxides may be produced. (CO, CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity:	CAS#	LD50 ORAL/RAT	LC50 (RAT, AEROSOL, 4h)
MASODOL 91-8 Linear Alcohol Ethoxylate Surfactant	68439-46-3	1.0g/kg	No Data
ORGANIC CARBOXYLIC COMPOUND	*TRADE SECRET	>1000mg/kg	>2.5g/m ³

Skin Corrosion/Irritation: Not Classified

Serious Eye Damage/Irritation: Not Classified

Respiratory or Skin Sensitization: Not Classified

Germ Cell Mutagenicity: Not Classified

Carcinogenicity: Not Classified

Reproductive Toxicity: Organic Carboxylic Compound has caused teratogenic effects in animals in the presence of maternal toxicity

Specific Target Organ Toxicity (Single Exposure): Not Classified

Specific Target Organ Toxicity (Repeated Exposure): Not Classified

Aspiration Hazard: Not Classified

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause eye irritation.



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Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1. **Toxicity** No additional information available
- 12.2. **Persistence and Degradability** Readily biodegradable per OECD Test. 90% 7 Days
- 12.3. **Bioaccumulative Potential** None
- 12.4. **Mobility in Soil** No additional information available
- 12.5. **Other Adverse Effects**

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1. **Waste treatment methods**

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment

SECTION 14: TRANSPORT INFORMATION

- 14.1. **In Accordance with DOT** Not regulated for transport
- 14.2. **In Accordance with IMDG** Not regulated for transport
- 14.3. **In Accordance with IATA** Not regulated for transport
- 14.4. Based on test results this mixture is not regulated by DOT when shipped by truck, rail or ocean freight. Ref. 49 CFR 173.364(A), 173.137 ATSM G-31, Draize skin rabbit. When shipped by air consult other DOT regulations.
- 14.5. **Proper Shipping Name:** Compound Cleaning Liquid NOI

SECTION 15: REGULATORY INFORMATION

- 15.1. **US Federal Regulations**
- 15.2. **US State Regulations** Neither this product nor its chemical components appear on any US state lists.

TSCA (Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories

None

313 Reportable Ingredients:

CERCLA (Comprehensive Response Compensation and Liability Act)

None

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.

CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: D2B

IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number listed on the Canadian Ingredient Disclosure List are shown in Section 3.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the



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New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise indicated.

EINECES (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

WGK Water Quality Index: 1Vbk Index: Not applicable

<p>Risk Phrases</p> <p>R36/38 Irritating to eyes and skin</p>	<p>Symbols(s) Required for Label</p>	<p>Safety Phrases</p> <p>S2 Keep out of reach of children.</p> <p>S46 If swallowed, seek medical advice immediately and show this container or label.</p> <p>S36/37/39 Wear suitable protective clothing, gloves, and eye protection.</p>
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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

<p>HMIS Ratings: Health 1 Flammability 0 Physical Hazard 1</p>		<p>Personal Protective Equipment B</p>						
<p>Health Hazards</p> <p>H320: Causes Eye Irritation</p>	<table border="1"> <tr> <td>1=Slight</td> <td>2=Moderate</td> </tr> <tr> <td>0=Insignificant</td> <td>3=High</td> </tr> <tr> <td>B=Safety Glasses</td> <td>4=Extreme</td> </tr> </table>		1=Slight	2=Moderate	0=Insignificant	3=High	B=Safety Glasses	4=Extreme
1=Slight	2=Moderate							
0=Insignificant	3=High							
B=Safety Glasses	4=Extreme							

Revision Date: 03/24/2015

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.122

SDS Prepared By: SDS Coordinator, Romix, Inc. Colleyville, TX 76034 1-800-331-2243

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Data is based on information from the manufacturer of the product and manufacturer of the components of the product. Romix assumes no responsibility for injury or damage caused by abnormal use of the product contrary to safety procedures not adhered to this SDS.

SAFETY DATA SHEET

Issuing Date No data available

Revision Date 19-May-2015

Revision Number 1



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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name **Bravo**

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Industrial Use Only

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Craft Laboratories, Inc.

Supplier Address 1901 Lakeview Drive
Fort Wayne
IN
46808
US

Supplier Phone Number Phone:800-535-5053
Fax:260-436-4161
Contact Phone1-260-432-9467

Supplier Email info@craftlabs.com

Emergency telephone number

2. HAZARDS IDENTIFICATION

Classification


This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

GHS Label elements, including precautionary statements



Emergency Overview

Signal word	Danger	
Hazard Statements Causes severe skin burns and eye damage		
		
Appearance Blue	Physical state Liquid	Odor Mild chemical

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
Specific treatment (see supplemental first aid instructions on this label)

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician

Skin

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a POISON CENTER or doctor/physician

Ingestion

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

4.275% of the mixture consists of ingredient(s) of unknown toxicity

Other information

May be harmful if swallowed

Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Supplier Trade Secret	Proprietary	1 - 5	*
2-Butoxyethanol	111-76-2	1 - 5	*
Sodium metasilicate	6834-92-0	1 - 5	*
Sodium hydroxide	1310-73-2	1 - 5	*
Supplier Trade Secret	Proprietary	1 - 5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

General Advice

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Seek immediate medical attention/advice.

Inhalation

Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get medical attention immediately if symptoms occur.

Ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Self-protection of the first aider

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects Burning sensation.



Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors.

Uniform Fire Code Corrosive: Other--Liquid

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other Information Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials.

Incompatible Products Acids. Bases. Oxidizing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³



ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection Face protection shield.

Skin and body protection Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. For environmental protection, remove and wash all contaminated protective equipment before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state	Liquid		
Appearance	Blue	Odor	Mild chemical
Color	No information available	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	12.4	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	5001 C / 9034 F	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Specific Gravity	No data available	None known	
Water Solubility	Completely soluble	None known	
Solubility in other solvents	No data available	None known	
Partition coefficient: n-octanol/water	No data available	None known	
Autoignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	



Explosive properties No data available
Oxidizing properties No data available

Other Information

Softening Point No data available
VOC Content (%) No data available
Particle Size No data available
Particle Size Distribution

10. STABILITY AND REACTIVITY**Reactivity**

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Exposure to air or moisture over prolonged periods.

Incompatible materials

Acids. Bases. Oxidizing agent.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	Specific test data for the substance or mixture is not available. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes burns. (based on components). Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. May cause irreversible damage to eyes.
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion	Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 220 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
Sodium metasilicate 6834-92-0	= 600 mg/kg (Rat)	-	-
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg (Rabbit)	-
Supplier Trade Secret	> 2000 mg/kg (Rat)	> 2 mg/kg (Rabbit)	> 2.16 mg/L (Rat) 1 h

Information on toxicological effects

Symptoms Erythema (skin redness). Burning. May cause blindness. Coughing and/ or wheezing.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3		

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity In Humans

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic Toxicity No known effect based on information supplied. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Carcinogenic potential is unknown.

Target Organ Effects Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Blood. Central Nervous System (CNS). Hematopoietic system. Kidney. Liver.

Aspiration Hazard No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
3,970.00 mg/kg
ATEmix (dermal)
17,368.00 mg/kg (ATE)
ATEmix (inhalation-dust/mist)
33.30 mg/l



ATEmix (inhalation-vapor)
244.00 ATEmix

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
2-Butoxyethanol 111-76-2		96h LC50: = 1490 mg/L (Lepomis macrochirus) 96h LC50: = 2950 mg/L (Lepomis macrochirus)		48h EC50: > 1000 mg/L 24h EC50: 1698 - 1940 mg/L
Sodium metasilicate 6834-92-0		96h LC50: = 210 mg/L (Brachydanio rerio)		96h EC50: = 216 mg/L
Sodium hydroxide 1310-73-2		96h LC50: = 45.4 mg/L (Oncorhynchus mykiss)		

Persistence and Degradability

No information available.

Bioaccumulation

Chemical Name	Log Pow
2-Butoxyethanol 111-76-2	0.81

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Sodium hydroxide 1310-73-2	Toxic Corrosive

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name

1,1'-DIAZOAMINONAPHTHALENE



Hazard Class Description	FORBIDDEN 1,1'-DIAZOAMINONAPHTHALENE, FORBIDDEN
TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
RID	Not regulated
ADR	Not regulated
ADN	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
2-Butoxyethanol - 111-76-2	111-76-2	1 - 5	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide 1310-73-2	1000 lb			X
Supplier Trade Secret	5000 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances	RQ
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		RQs	
Sodium hydroxide 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Supplier Trade Secret	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Supplier Trade Secret		X	X		
2-Butoxyethanol 111-76-2	X	X	X	X	X
Sodium hydroxide 1310-73-2	X	X	X	X	
Supplier Trade Secret	X	X	X	X	

International Regulations**Mexico****National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
2-Butoxyethanol 111-76-2 (1 - 5)		Mexico: TWA 26 ppm Mexico: TWA 120 mg/m ³ Mexico: STEL 75 ppm Mexico: STEL 360 mg/m ³
Sodium hydroxide 1310-73-2 (1 - 5)		Mexico: Ceiling 2 mg/m ³

Mexico - Occupational Exposure Limits - Carcinogens

16. OTHER INFORMATION

NFPA	Health Hazards 3	Flammability 0	Instability 0	Physical and Chemical Hazards - Personal Protection X
HMIS	Health Hazards 3	Flammability 0	Physical Hazard 0	

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Revision Date 19-May-2015

Revision Note No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text



End of Safety Data Sheet



1. Product and Company Information

Product Identifier: H-102

General Use:
Pressure-washing soap containing phosphates

Product Description:
Clear blue liquid with no distinguishable odor

Manufactured By:
Craft Laboratories, Inc.
1901 Lakeview Drive
Fort Wayne, IN 46808
260-432-9467 / 800-535-5053
www.craftlabs.com / info@craftlabs.com

Emergency Contact:
INFOTRAC
200 North Palmetto Street
Leesburg, FL 34748
800-535-5053 / Service 24/7

2. Hazards Identification

GHS Hazard Classification:
Eye irritation; Category 2B
Mild skin Irritation; Category 3

Human Health Hazards:
H320 Eye irritation
H316 Mild Skin irritation
H303 May be harmful if swallowed

Signal Word(s): Warning

Hazard Statement:
Causes mild eye and skin irritation. Ingestion may cause gastrointestinal irritation.

Hazard Pictograms:



Precautionary Statement(s):

P264 Wash thoroughly after handling
P331 DO NOT induce vomiting
P102 Keep out of reach of children
P103 Read label before use
P402 Store in a dry place

3. Composition / Information on Ingredients

Ingredient: **CAS#:** **Concentration:**
No ingredients equal or greater than 1% concentration in product are considered hazardous. Proprietary formulation.

4. First Aid Measures

Eyes:
Immediately flush eyes with warm water for at least 15 minutes. If applicable, remove contact lenses. Seek medical attention if irritation persists.

Skin:
Immediately remove contaminated clothing and/or shoes. Flush affected areas with cool water until irritation subsides. Seek medical attention if irritation persists. Wash contaminated clothing before reuse.

Inhalation:
Remove exposed individual to fresh air. Seek medical attention if irritation persists.

Ingestion:
DO NOT INDUCE VOMITING. Rinse mouth thoroughly with water. Drink large quantities of water. Consult poison control or a physician if large quantities have been ingested.

5. Fire Fighting Measures

Suitable Extinguishing Media:
Use media suitable for surrounding fire. This may include water spray or fog, dry chemical, foam or carbon dioxide.

Specific Protective Equipment:
Self-contained breathing apparatus; full protective clothing

Hazardous Combustion Products: None known

Unusual Hazards: Not established

6. Accidental Release Measures

Spill or Leak Procedures:
Prevent material from entering waterways, sewers or confined spaces. Stop or reduce leak if it can be done safely. Contain spill with earth, sand or absorbent material that does not react with spilled material. Transfer to covered plastic containers for recovery or disposal. Flush area with water. Dispose of waste and clean up materials in accordance with regulations.

7. Handling and Storage

Handling Precautions:
Use with adequate ventilation. Wash hands after using and before smoking or eating. Do not swallow. Avoid contact with eyes and prolonged contact with skin. Avoid breathing spray mist.

Storage Conditions:
Store in a secure, cool, dry area out of direct sunlight. Store unused portion in original container. Keep container closed when not in use. Protect from freezing. The shelf life of this product is one (1) year.

8. Exposure Controls and Personal Protection

Engineering Controls:
No specialized ventilation is required providing adequate general ventilation exists.

8. Exposure Controls and Personal Protection (Continued)

Personal Protective Equipment

Eyes:	Approved safety glasses
Skin:	Impermeable chemical handling gloves, such as nitrile or latex
Inhalation:	Respirator when local exhaust or ventilation is inadequate
Other:	Eye wash facilities in case of exposure to eyes

OSHA Hazardous Components (29 CFR 1910.1200)

None listed.

9. Physical and Chemical Properties

Appearance:	Clear blue liquid
Odor:	No distinguishable odor
Odor Threshold:	Not established
pH (concentrate):	12.5
Melting Point:	Not established
Freezing Point:	32°F (0°C)
Boiling Point/Range:	212°F (100°C)
Flash Point:	Not Established
Method:	Not applicable
Evaporation Rate:	< 1
Flammability Limits:	Not established
Conditions of Flammability:	Not established
Explosive Properties:	Not established
Vapor Pressure:	17 (20°C mm Hg)
Vapor Density:	0.6
Relative Density:	1.12
Solubility:	Completely Soluble in water
Auto-Ignition Temperature:	Not established
Coefficient of Water/Oil Distribution:	Not available

10. Stability and Reactivity

Stability:	This product is stable at under normal conditions and at ambient temperatures
Conditions of Reactivity:	Not established
Incompatible Materials:	Strong acids
Conditions to Avoid:	None known
Hazardous Decomposition:	Burning may produce carbon monoxide and/or carbon dioxide
Hazardous Polymerization:	Will not occur

11. Toxicological Information

Likely Routes of Exposure and Related Effects

Eyes:
Prolonged or repeated contact of concentrated product will cause irritation, swelling and redness.

11. Toxicological Information (Continued)

Skin:	Frequent or prolonged contact may cause mild irritation including drying and redness.
Inhalation:	Mist from spray may cause coughing, sneezing, or severe irritation of nose and throat.
Ingestion:	May cause nausea gastrointestinal irritation including vomiting and diarrhea if large doses are ingested.
Chronic Effects:	Not established
Acute toxicity:	Not established
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.
Toxicology Program:	Not listed
OSHA:	Not regulated
California Prop 65:	This product is not subject to the reporting requirements under California's Proposition 65.
ACGIH:	None listed
Reproductive Toxicity:	None known
Teratogenicity:	Not available
Mutagenicity:	None known
Synergistic Products:	Not available

12. Ecological Information

No data available

13. Disposal Considerations

Waste residues should be disposed of in approved waste facility according to Federal, State, and local regulations.

14. Transportation Information

DOT (Department of Transportation) Information

UN Number:	Not regulated
Proper Shipping Name:	Not regulated
Hazard Class(es):	Not a DOT controlled material
Identification Number:	Not applicable

15. Regulatory Information

CERLA (Comprehensive Environment Response Compensation and Liability Act): No reportable quantity

OSHA Hazard Communication Standard, 29 CFR 1910.1200:
Not applicable

SARA Title III (Superfund Amendments and Reauthorization Act):
This product is not subject to the reporting requirements under SARA Title III

TSCA (Toxic Substances Control Act): None

16. Other Information

HMIS Hazard Rating:

HEALTH	0	0 – Least
FLAMMABILITY	0	1 – Slight
REACTIVITY	1	2 – Moderate
PERSONAL PROTECTION	B	3 – High
		4 – Extreme



Revision Number/Effective Date: Revision 1; 04/20/2015

Reason for Issue: GHS Standard Compliance

Prepared By: Nicole Wallens

Approved By: Bill Munsie, General Manager
Craft Laboratories, Incorporated

Disclaimer:

The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.



SAFETY DATA SHEET

Revision Date 10-November-2014

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 1111-ES Salt Free

Product Code 1111-ES

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Salt Remover

Details of the Supplier of the Safety Data Sheet

Supplier Address

Delta Foremost Chemical Corporation
3915 Air Park St.
Memphis, Tennessee 38118

Emergency Telephone Number

Company Phone Number (901) 363-4340
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion/Irritation	Category 3
Eye Irritation	Category 2B

Signal Word

WARNING

Hazard Statements

Causes mild skin irritation.
Causes eye irritation.

Appearance Clear, colorless liquid

Physical State Liquid

Odor Wintergreen

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sulfamic Acid	5329-14-6	Proprietary

4. FIRST AID MEASURES**First Aid Measures**

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation persists.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If irritation persists, seek medical attention.
Inhalation	No irritation expected.
Ingestion	Do NOT induce vomiting. Get medical attention immediately.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Causes mild skin irritation.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Foam, carbon dioxide or dry chemical extinguisher, or water.

Unsuitable Extinguishing Media Not determined.**Specific Hazards Arising from the Chemical**

Product is not flammable or combustible.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures**

Personal Precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so. Soak up and contain spill with an absorbent material.

Methods for Cleaning Up Sweep up absorbed material and shovel into suitable containers for disposal. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe vapors or spray mist.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.

Incompatible Materials Caustics.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Contains no substances with occupational exposure limits.

Appropriate Engineering Controls

Engineering Controls Ventilation must be adequate. Eyewash stations, Showers.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Splash goggles or safety glasses.

Skin and Body Protection Wear protective Neoprene™ gloves, Rubber gloves.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Wintergreen
Appearance	Clear, water-white	Odor Threshold	Not determined
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	2.3-3.0	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	98.88 °C / 210 °F	
Flash Point	None	
Evaporation Rate	Same as water	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	

Lower Flammability Limit	Not determined	
Vapor Pressure	Not established	
Vapor Density	Not established	
Specific Gravity	1.03	(1=Water)
Water Solubility	Soluble in water	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact	Causes eye irritation.
Skin Contact	Causes mild skin irritation.
Inhalation	No irritation expected.
Ingestion	May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sulfamic Acid 5329-14-6	= 3,160 mg/kg (Rat) = 1,312 mg/kg (Mouse)	-	-

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**Carcinogenicity**

No component of this product is identified as a human carcinogen.

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sulfamic Acid 5329-14-6	-	70.3: 96 h Fathead Minnow mg/L LC50 static	-	-

Persistence and Degradability

Not determined

Bioaccumulation

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

This product contains no substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No UN3264
 Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (Contains Sulfamic Acid)
 Hazard Class 8
 Packing Group II

IATA

UN/ID No UN3264
 Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (Contains Sulfamic Acid)
 Hazard Class 8
 Packing Group II

IMDG
UN/ID No UN3264
Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (Contains Sulfamic Acid)
Hazard Class 8
Packing Group II

15. REGULATORY INFORMATION

International Inventories

Not Determined

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

US Federal Regulations

CERCLA

This material contains no Reportable Quantity (RQ) Substances.

SARA 313

None

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sulfamic Acid 5329-14-6	X		X

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	Not determined

Revision Date 10-November-2014
Revision Note New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

1. Product and Company Information

Product Identifier: SOYA-SOLVE

General Use:
Soy-based degreaser, tar and asphalt remover. VOC Compliant.

Product Description:
Pale yellow liquid with soy odor

Manufactured By:
Craft Laboratories, Inc.
1901 Lakeview Drive
Fort Wayne, IN 46808
260-432-9467 / 800-535-5053
www.craftlabs.com / info@craftlabs.com

Emergency Contact:
INFOTRAC
200 North Palmetto Street
Leesburg, FL 34748
800-535-5053 / Service 24/7

2. Hazards Identification

GHS Hazard Classification:
Eye irritation; Category 2B
Mild skin Irritation; Category 3

Human Health Hazards:
H320 Eye irritation
H316 Mild Skin Irritation
H303 May be harmful if swallowed

Signal Word(s): Warning

Hazard Statement:
Causes mild eye and skin irritation. Ingestion may cause gastrointestinal irritation.

Hazard Pictograms:



Precautionary Statement(s):
P264 Wash thoroughly after handling
P331 DO NOT induce vomiting
P102 Keep out of reach of children
P103 Read label before use
P402 Store in a dry place

3. Composition / Information on Ingredients

Ingredient: **CAS#:** **Concentration:**
No ingredients equal or greater than 1% concentration in product are considered hazardous. Proprietary formulation.

4. First Aid Measures

Eyes:
Immediately flush eyes with warm water for at least 15 minutes. If applicable, remove contact lenses. Seek medical attention if irritation persists.

Skin:
Immediately remove contaminated clothing and/or shoes. Flush affected areas with cool water until irritation subsides. Seek medical attention if irritation persists. Wash contaminated clothing before reuse.

Inhalation:
Remove exposed individual to fresh air. Seek medical attention if irritation persists.

Ingestion:
DO NOT INDUCE VOMITING. Rinse mouth thoroughly with water. Drink large quantities of water. Consult poison control or a physician if large quantities have been ingested.

5. Fire Fighting Measures

Suitable Extinguishing Media:
Use media suitable for surrounding fire. This may include water spray or fog, dry chemical, foam or carbon dioxide.

Specific Protective Equipment:
Self-contained breathing apparatus; full protective clothing

Hazardous Combustion Products: None known

Unusual Hazards: Not established

6. Accidental Release Measures

Spill or Leak Procedures:
Prevent material from entering waterways, sewers or confined spaces. Stop or reduce leak if it can be done safely. Contain spill with earth, sand or absorbent material that does not react with spilled material. Transfer to covered plastic containers for recovery or disposal. Flush area with water. Dispose of waste and clean up materials in accordance with regulations.

7. Handling and Storage

Handling Precautions:
Use with adequate ventilation. Wash hands after using and before smoking or eating. Do not swallow. Avoid contact with eyes and prolonged contact with skin. Avoid breathing spray mist.

Storage Conditions:
Store in a secure, cool, dry area out of direct sunlight. Store unused portion in original container. Keep container closed when not in use. Protect from freezing. The shelf life of this product is one (1) year.

8. Exposure Controls and Personal Protection

Engineering Controls:
No specialized ventilation is required providing adequate general ventilation exists.



Safety Data Sheet: SOYA-SOLVE

Effective: 04/20/2015

Version: 1.0

8. Exposure Controls and Personal Protection (Continued)

Personal Protective Equipment

Eyes:	Approved safety glasses
Skin:	Impermeable chemical handling gloves, such as nitrile or latex
Inhalation:	Respirator when local exhaust or ventilation is inadequate
Other:	Eye wash facilities in case of exposure to eyes

OSHA Hazardous Components (29 CFR 1910.1200)

None listed.

9. Physical and Chemical Properties

Appearance:	Pale yellow liquid
Odor:	mild soy odor
Odor Threshold:	Not established
pH (concentrate):	7.7
Melting Point:	Not established
Freezing Point:	Not established
Boiling Point/Range:	202°F
Flash Point:	> 215 °F
Method:	Closed Cup
Evaporation Rate:	Estimated slower than ethyl ether.
Flammability Limits:	Not established
Conditions of Flammability:	Not established
Explosive Properties:	Not established
Vapor Pressure:	< 2.000000 mmHg
Vapor Density:	Estimated heavier than air
Relative Density:	0.92
Solubility:	Miscible
Auto-ignition Temperature:	Not established

10. Stability and Reactivity

Stability:	This product is stable at under normal conditions and at ambient temperatures
Conditions of Reactivity:	Not established
Incompatible Materials:	Strong oxidizing agents.
Conditions to Avoid:	None known
Hazardous Decomposition:	No hazardous decomposition products are known.
Hazardous Polymerization:	Will not occur

11. Toxicological Information

Likely Routes of Exposure and Related Effects

Eyes: Causes eye irritation.

11. Toxicological Information (Continued)

Skin:	May cause defatting of skin.
Inhalation:	Prolonged inhalation may be irritating.
Ingestion:	Expected to be a low ingestion hazard.
Chronic Effects:	Not established
Acute toxicity:	Not established

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.

Toxicology Program:	Not listed
OSHA:	Not regulated

California Prop 65:

This product is not subject to the reporting requirements under California's Proposition 65.

ACGIH:	None listed
Reproductive Toxicity:	None known
Teratogenicity:	Not available
Mutagenicity:	None known
Synergistic Products:	Not available

12. Ecological Information

This product is not classified as environmentally hazardous.

13. Disposal Considerations

Waste residues should be disposed of in approved waste facility according to Federal, State, and local regulations.

14. Transportation Information

DOT (Department of Transportation) Information

UN Number:	Not regulated
Proper Shipping Name:	Not regulated
Hazard Class(es):	Not a DOT controlled material
Identification Number:	Not applicable

15. Regulatory Information

CERLA (Comprehensive Environment Response Compensation and Liability Act): No reportable quantity

OSHA Hazard Communication Standard, 29 CFR 1910.1200:
Not applicable

SARA Title III (Superfund Amendments and Reauthorization Act):
This product is not subject to the reporting requirements under SARA Title III

TSCA (Toxic Substances Control Act): None

16. Other Information

HMIS Hazard Rating:

HEALTH	0
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	B

0 – Least
1 – Slight
2 – Moderate
3 – High
4 – Extreme



Revision Number/Effective Date: Revision 1; 04/20/2015

Reason for Issue: GHS Standard Compliance

Prepared By: Nicole Wallens

Approved By: Bill Munsie, General Manager
Craft Laboratories, Incorporated

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