

**MATERIAL SAFETY DATA SHEET**

Rating Scale:

HMISNFPA

DYNAMIC RESEARCH CO., INC.  
4800 SW MEADOWS Ste 300  
LAKE OSWEGO, OR 97035

0=Insignificant  
1=Slight  
2=Moderate  
3=High  
4=Extreme

1 HEALTH  
0 FLAMMABILITY  
0 REACTIVE  
None OTHER

1  
0  
0  
None

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**SECTION 1 - PRODUCT IDENTIFICATION**

PRODUCT NAME OR NUMBER (As it appears on label)

**Original SAF-T-STEP**

EMERGENCY INFORMATION: (24-HOUR EMERGENCY) 1-800-255-3924 ( US / Canada )  
1-813-248-0585 ( International )

(GENERAL INFORMATION) 1-503-699-1335

CHEMICAL OR COMMON NAME: Floor Anti-Slip Safety Treatment

DATE ISSUED: 04-15-2013 SUPERSEDES: : 12-11-2011

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**SECTION 2 - INGREDIENT INFORMATION**

<u>CHEMICAL NAMES</u>	<u>CAS #</u>	<u>WEIGHT %</u>
Hydroxyacetic acid	79-14-1	1 - 8
Sulfamic Acid	5329-14-6	1 - 8
Citric acid	79-92-9	1 - 8
1butoxy2propanol	5131-66-8	1 - 3
Caustic soda	1310-73-2	1 - 2
Surfactants	Propreitary	1 - 10

.  
Balance is water, coloring, fragrance, & similar non-hazardous ingredients.

There are no ingredients in this product that are currently reportable in either SARA Title III: Section 313, 40 CFR part 372.

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**SECTION 3 - HEALTH HAZARD INFORMATION**PRIMARY ROUTES OF ENTRY: EYES: X SKIN: X INGESTION:    INHALATION:   

SIGNS AND SYMPTOMS:

**EYES:** Direct contact with eyes can cause irritation. Prolonged or repeated contact with eye may cause irritation, burns, or redness

**SKIN:** Direct contact with skin can cause irritation, or redness

**INHALATION:** Inhalation of mist or vapor may cause cause irritation of nose, throat, & lungs.

**INGESTION:** Harmful if swallowed; May cause gastrointestinal irritation and diarrhea.

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**SECTION 4 – FIRST AID MEASURES**

**EYES:** Immediately flush with water for at least 15 minutes, remove contact lenses. Seek medical aid.

**SKIN:** Immediately flush with water for at least 15 minutes. If pain, irritation or redness persists, seek medical aid.

**INGESTION:** If swallowed, do not induce vomitting. Immediatley drink 2 glasses of milk or water. Do not give unconscious victim large amounts of milk or water. Seek medical aid.

**INHALATION:** Remove to fresh air immediately. Seek medical attention if breathing difficulty persists.

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**SECTION 5 - FIRE AND EXPLOSION INFORMATION**

FLASH POINT: None (ASTM D92)

FLAMMABLE LIMITS: LOWER: NA UPPER: NA

EXTINGUISHING MEDIA: ☒ FOAM ☒ CO2 ☒ DRY CHEMICAL ☒ WATER FOG ☐ OTHERSPECIAL FIRE FIGHTING PROCEDURES: Normal fire fighting procedures may be used.  
Use extinguishing media appropriate for surrounding fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No special hazards known. Heat of fire may melt containers.

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Personal Precautions:** Put on appropriate personal protection equipment (see Section 8)**Environmental Precautions and Clean Up Methods:** Absorb with diatomaceous earth or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water. Follow all Federal, State and Local regulations.

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**SECTION 7 – HANDLING and STORAGE****HANDLING :** Do not taste or swallow. Avoid contact with skin or eyes. Wash thoroughly after handling product. FOR COMMERCIAL AND INDUSTRIAL USE**STORAGE:** Do not store near heat or flame (containers may melt). Keep from freezing (containers may rupture). Empty containers may contain small amounts of undiluted product. KEEP OUT OF REACH OF CHILDREN.

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**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION**

ENGINEERING CONTROLS: No special requirements . General room ventilation is adequate.

HANDS: No special requirement under normal use conditions.

EYES: No special requirement under normal use conditions..

RESPIRATORY PROTECTION: No special requirement under normal use conditions.

FEET: No special requirement under normal use conditions

BODY: No special requirement under normal use conditions

OTHER PROTECTIVE MEASURES: Use good personal hygiene practices. Launder contaminated equipment before reuse.

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**SECTION 9 - PHYSICAL DATA**

BOILING POINT	212 F	SPECIFIC GRAVITY (H2O=1)	1.03
FREEZING POINT	ND	PERCENT VOLATILE BY VOLUME	87%
SOLUBILITY IN WATER	Complete	VAPOR PRESSURE (mm Hg)	NA
pH (undiluted)	3.5 - 3.7	EVAPORATION RATE (Butyl Ac=100)	NA
APPEARANCE & ODOR	Blue-green liquid, mild odor		

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**SECTION 10 – STABILITY and REACTIVITY**STABILITY: STABLE ☒ UNSTABLE ☐ CONDITIONS TO AVOID NAINCOMPATIBILITY (MATERIALS TO AVOID): Strong alkalis, bleach, cyanides, sulfides, or chlorine compounds of any kind.  
Do not mix with other chemicals or cleaners.

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR ☒

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

Oral: LD50 Estimated to be greater than 4000 mg/kg (rat); Dermal: LD50 Estimated to be greater than 4000 mg/kg (rat)

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**SECTION 12 - ECOLOGICAL INFORMATION**

Not available

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**SECTION 13 - DISPOSAL CONSIDERATION**

WASTE DISPOSAL INFORMATION: No special method. Observe all applicable Federal, State and Local regulations, rules and /or ordinances regarding disposal of non-hazardous material.

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**SECTION 14- DOT AND TRANSPORTATION INFORMATION**

DOT CLASS:	Non-hazardous	Class 55	DOT#: NA
SHIPPING NAME:	Cleaning, Scouring or Washing Compounds, NOI Liquid		
SPECIAL INFORMATION:	Not regulated as a hazardous material by DOT or IMO.		

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**SECTION 15 - REGULATORY AND ECOLOGICAL INFORMATION**

Reporting in this section is based upon ingredients disclosed on Section 2

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

PHOSPHATE CONTENT:	None
ARE ALL THE ORGANIC INGREDIENTS IN THIS PRODUCT BIODEGRADABLE?:	Yes
ARE ALL THE INGREDIENTS IN THIS PRODUCT LISTED ON THE TSCA LISTS?:	Yes
INGREDIENTS LISTED AS CARCINOGENS ON NTP, IARC, or OSHA LISTS?:	No

All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**FEDERAL**

SARA 302/304/311/312 hazardous chemicals: Dipropylene Glycol Monomethyl Ether,  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Dipropylene Glycol Monomethyl Ether,  
SARA 313 toxic chemical notification and release reporting:  
CERCLA: Hazardous substances.: Dipropylene Glycol Monomethyl Ether

**STATE**

New Jersey RTK: Dipropylene Glycol Monomethyl Ether, Sulfamic acid  
Pennsylvania RTK: Dipropylene Glycol Monomethyl Ether ,  
Massachusetts RTK: Dipropylene Glycol Monomethyl Ether,  
Rhode Island RTK: Dipropylene Glycol Monomethyl Ether,  
Minnesota RTK: Dipropylene Glycol Monomethyl Ether

CEPA - Domestic Substances List (DSL)

All substances in this product are listed on the Domestic Substances List of Canada (DSL) or are not required to be on the list.

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**ABBREVIATIONS: NA=Not Applicable NSR=No Special Requirement ND=Not Determined**

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