MATERIAL SAFETY DATA SHEET

DYNAMIC RESEARCH CO., INC. 4800 SW MEADOWS Ste 300 LAKE OSWEGO, OR 97035 0=Insignificant

2=Moderate

4=Extreme

1=Slight

3=High

1	HEALTH	1
0	FLAMMABILITY	0

0 REACTIVE None OTHER 0 0 None

NFPA

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	

SECTION 2 - INGREDIENT INFORMATION

CHEMICAL NAMES	<u>CAS #</u>	WEIGHT %
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.

SECTION 3 - HEALTH HAZARD INFORMATION

PRIMARY ROUTES OF ENTRY:	EYES: X	SKIN: X	INGESTION:	INHALATION:
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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.

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.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT: None (ASTM D92) FLAMMABLE LIMITS: LOWER: NA UPPER: NA

EXTINGUISHING MEDIA: X FOAM X CO2 X DRY CHEMICAL X WATER FOG OTHER

SPECIAL 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.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

<u>Presonnal Precautions:</u> 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.

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.

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.

SECTION 9 - PHYSICAL DATA

BOILING POINT212 FSPECIFIC GRAVITY (H20=1)1.03FREEZING POINTNDPERCENT VOLATILE BY VOLUME 87%SOLUBILITY IN WATERCompleteVAPOR PRESSURE (mm Hg)NApH (undiluted)3.5 - 3.7EVAPORATION RATE (Butyl Ac=100)NAAPPEARANCE & ODORBlue-green liquid, mild odorNA

SECTION 10 – STABILITY and REACTIVITY

STABILITY:	STABLE <u>X</u>	UNSTABLE	CONDITIONS TO AVOID <u>NA</u>
INCOMPATIBILIT	Y (MATERIALS TO AVOID):	Strong alkalis, bleach, cyanides, Do not mix with other chemicals	sulfides, or chlorine compounds of any kind. or cleaners.
HAZARDOUS DE	COMPOSITION PRODUCTS:	None known	
HAZARDOUS PO	DLYMERIZATION:	WILL NOT OCCUR X	

SECTION 11 – TOXICOLOGOCAL INFORMATION

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

SECTION 12 - ECOLOGICAL INFORMATION

Not available

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.

SECTION 14- DOT AND TRANSPORTATION INFORMATION

DOT CLASS:Non-hazardousClass 55DOT#: NASHIPPING NAME:Cleaning, Scouring or Washing Compounds, NOI LiquidDOT#: NASPECIAL INFORMATION:Not regulated as a hazardous material by DOT or IMO.DOT#: NA

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

<u>STATE</u>

New Jersey RTK: Dipropylene Gycol Monomethyl Ether, Sulfamic acid Pennsylvania RTK: Dipropylene Gycol Monomethyl Ether, Massachusets RTK: Dipropylene Gycol Monomethyl Ether, Rhode Island RTK: Dipropylene Gycol Monomethyl Ether, Dipropylene Gycol 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.

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

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