

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List)
RED-STUFF

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name ALPINE CHEMICAL PRODUCTS	Emergency Telephone Number 206-838-4318
Address (Number, Street, City, State, and ZIP Code) 1824 S.W. 352nd. PLACE FEDERAL WAY, WA 98023	Telephone Number for Information 206-838-4318
	Date Prepared JANUARY 26, 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
CAUSTIC SODA AND CAUSTIC POTASH WITH SODIUM METASILICATE IN A SURFACTANT WATER SOLUTION.				
GLYCOL ETHER DPM (DIPROPYLENE GLYCOL MONOMETHYL ETHER)	100	100	NONE	LESS THAN 10%

31175

Section III — Physical/Chemical Characteristics

Boiling Point	212°	Specific Gravity (H ₂ O = 1)	1.02
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Bony Acetone X) WATER = 1	1
Solubility in Water	COMPLETE		
Appearance and Odor	RED LIQUID----LOW ODOR		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	NONE	Flammable Limits	NONE	LEL	N/A	UEL	N/A
Extinguishing Media	NONE, NON-COMBUSTIBLE						
Special Fire Fighting Procedures	NON-FLAMMABLE						
Unusual Fire and Explosion Hazards	NONE						

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid	NONE
	Stable	X		

Incompatibility (Materials to Avoid) ACIDIC PRODUCTS

Hazardous Decomposition or Byproducts NONE

Hazardous Polymerization	May Occur		Conditions to Avoid	NONE
	Will Not Occur	X		

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? X Skin? X Ingestion? X

Health Hazards (Acute and Chronic)
INTERMITTANT CONTACT WITH CONCENTRATE MAY CAUSE INFLAMATION, DRYNESS OF SKIN AND POSSIBLE DERMATITIS.

Carcinogenicity: NONE NTP? N/A IARC Monographs? N/A OSHA Regulated? N/A

Signs and Symptoms of Exposure
PROLONGED CONTACT WITH CONCENTRATE CAN CAUSE SKIN IRRITATION AND DRYNESS, CONTACT WITH EYES CAN CAUSE IRRITATION. INGESTION: COULD CAUSE NAUSEA, DIARRHEA, DAMAGE TO MUCOUS MEMBRANES MAY OCCUR.
Medical Conditions
Generally Aggravated by Exposure RASHES, DERMITITIS, OPEN SORES, BURNS, WOUNDS,

Emergency and First Aid Procedures
SKIN: WASH WITH SOAP & WATER, EYES: FLUSH WITH WATER, IF IRRITATION PERSISTS CALL PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING, GIVE LARGE AMOUNTS OF WATER,

Section VII — Precautions for Safe Handling and Use CALL PHYSICIAN

Steps to Be Taken in Case Material Is Released or Spilled
CONTAIN AND REMOVE WITH ABSORBANT MATERIAL OR SAND.

Waste Disposal Method
DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Precautions to Be Taken in Handling and Storing
PROTECT FROM FREEZING AND HIGH HEAT.

Other Precautions
USE GOOD HOUSEKEEPING PROCEDURES

Section VIII — Control Measures

Respiratory Protection (Specify Type)
NONE NEEDED UNLESS APPLIED BY SPRAYING, THEN USE NIOSH APPROVED RESPIRATOR

Ventilation	Local Exhaust	NONE REQUIRED	Special	NONE
	Mechanical (General)	NONE	Other	NONE

Protective Gloves NOT REQUIRED BUT CAN BE USED Eye Protection SAFETY GLASSES

Other Protective Clothing or Equipment NONE

Work/Hygienic Practices
WASH HANDS BEFORE EATING AND SMOKING. DO NOT CONSUME FOOD OR BEVERAGE WHILE USING.