

Material Safety Data Sheet

This MSDS complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200 and OSHA FORM 174.

Manufactured For
CRITICAL INDUSTRIES

ADDRESS
5815, GULF FRWY

HOUSTON, TX 77023

Phone Number (For information)

Emergency Phone Number
(404) 386-3083

POT HAZARD CLASSIFICATION:
Non-Hazardous

Identity (Trade Name As Used On Label)

SURFACTANT

MSDS Number*

R-320-3

Date Prepared

7/11/89

Prepared By

ES/IAB

NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	APPROX. % (wt)*	OSHA PEL (ppm)	ACGIH TLV (ppm)	CARCINOGEN REFERENCE SOURCE**
Contains no hazardous components at a level of 1% or greater and no known or suspected carcinogens at a level of 0.1% or greater.					
NOTICE: THIS PRODUCT MAY CONTAIN ONE OF THE LISTED SUBSTANCES IN SECTION 3.11					
67-44-3 Acetone	71-55-6 1,1,1-trichloroethane	13463-67-7 Titanium Dioxide			
50-00-0 Formaldehyde	75-09-2 Methylene chloride	7664-18-2 Phosphoric Acid			
67-56-1 Methanol	107-21-1 Ethylene glycol*	7761-84-8 Silver nitrate			
75-28-1 n-Butanol	111-26-1 Propylene	7664-93-9 Sulfuric Acid			
64-19-7 Ethanol	100-00-0 Toluene	7440-44-0 Zinc (dust)			
77-43-5 Methylchloride	127-18-4 tetrachloroethylene	7647-01-0 Hydrochloric Acid			
78-27-3 sec-Butyl alcohol	133-13-9 Nitrotrichloroethane	100-20-7 Xylene, mixed isomers			
*Possible glycol ethers.		1310-73-2 Sodium hydroxide solution			

*Optional

N/A = Not Applicable

N/E = Not Established

N/D = Not Determined

** Chemical Listed
as Carcinogen or
Potential Carcinogen

☒ NTP

☒ IARC Monograph

☒ OSHA

☒ Not Listed

☒ Animal

☒ Data Only

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point		100° C	Specific Gravity (H ₂ O = 1)	1.01
Vapor Pressure	PSIG @ 70°F (Aerosols)	N/A	Vapor Pressure (Non-Aerosols) (mm Hg and Temperature)	N/D
Vapor Density (Air = 1)		N/D	Evaporation Rate (_____ water _____ = 1)	1.0
Solubility in Water		Miscible	Water Reactive	No

Appearance and Odor Clear, non-viscous, magenta liquid with bland odor.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (AEROSOLS)	N/A	Auto-Ignition Temperature	N/A	Flammability Limits in Air % by Volume	LEL N/A	UEL N/A
Flash Point and Method Used (Non-Aerosols)	Non-combustible.					
Extinguisher Media	Use media appropriate for surrounding fire.					
Special Fire Fighting Procedures	Use water spray to cool fire-exposed containers.					
Unusual Fire and Explosion Hazards	None known.					

SECTION 4 - REACTIVITY HAZARD DATA

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STABILITY ☒ Stable ☐ Unstable	Conditions To Avoid None.	HAZARDOUS POLYMERIZATION ☐ May occur ☒ Will Not Occur
Incompatibility (Materials to Avoid) Any material not compatible with water.		
Hazardous Decomposition Products Oxides of carbon and sulfur. Unidentified organics.		

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY	☐ Inhalation ☐ Skin Absorption	☐ Ingestion ☐ Eye	☒ Not Hazardous
ACUTE EFFECTS			
Inhalation Vapor is benign. Inhalation of spray or mist may cause irritation of contacted mucous membranes.			
Eye Contact May be irritating.			
Skin Contact Prolonged contact may be irritating.			
Ingestion May cause GI tract distress. Not expected to be highly toxic.			
CHRONIC EFFECTS None known.			
Medical Conditions Generally Aggravated by Exposure None known.			
EMERGENCY FIRST AID PROCEDURES - None known.			
Eye Contact Flush with water for 15 minutes. If irritation persists, see a physician.			
Skin Contact Remove contaminated clothing. Flush skin with plenty of water.			
Inhalation Remove to fresh air.			
Ingestion Drink water and vomit, taking care not to aspirate vomitus. See a physician.			

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)	None needed.		
Protective Gloves	Rubber, if desired.	Eye Protection	Chemical goggles.
VENTILATION REQUIREMENTS	No special ventilation required.		
Other Protective Clothing and Equipment	Eyewash station and safety shower.		
Hygienic Work Practices	Do not eat, drink, or smoke in work area. Wash after handling.		

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken if Material Is Spilled Or Released	Collect spilled material and wash off residue with water. Dispose of collected material in a legal manner.
Waste Disposal Methods	Consult with appropriate regulatory agencies to determine best legal method of disposal for your locality.
Precautions to be Taken in Handling and Storage	Store in original shipping containers. Keep closed when not in use. Protect from extreme heat or cold. Shelf life 1 year.
Other Precautions and / or Special Hazards	Read and follow label directions. Keep out of reach of children.