



IDEAS TO GROW WITH®

PO BOX 16458 • FRESNO CA 93755

# MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:

R-20

## I. NAME

PRODUCT/TRADE NAME: R-20  
EPA REGISTRATION #: NONE  
CHEMICAL NAME/Common Name:  
Alkyl Polyoxyalkylene Ether/Alkyl Polyoxyalkylene Ether

## I. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Alkyl Polyoxyalkylene Ether	Mixture	NE	NE

## III. PHYSICAL DATA

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.01  
MELTING POINT: NA  
VAPOR DENSITY (AIR = 1): >1  
% VOLATILES BY VOL.: NE  
ODOR: Mild  
APPEARANCE: Clear Liquid  
FLASH POINT/METHOD: 440 Deg. F COC\*  
VAPOR PRESSURE (mmHg): NE  
SOLUBILITY IN H<sub>2</sub>O: Soluble

## IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA:  Water Fog  Foam  Alcohol Foam  
 CO<sub>2</sub>  Dry Chemical  Other

### FIRE FIGHTING PRECAUTIONS & HAZARDS:

Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full personal protective equipment. Avoid breathing spray mist. Avoid fallout and runoff. Dike area to prevent entering drains, sewers or water courses. Evacuate people downwind from fire.

## V. CARCINOGEN STATUS

OSHA  NTP  IARC  No Listing Type

## VI. REACTIVITY

Stable HAZARDOUS POLYMERIZATION  
 Unstable  May Occur  Will Not Occur

AVOID: Oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: CO<sub>x</sub>, SiO<sub>2</sub>

## VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate respiratory and personal protective equipment. Absorb with inert material and sweep or vacuum and place in approved disposal container.

DECONTAMINATION: Treat area with detergent and water. Absorb with inert material and place in approved container. Repeat as necessary until area is clean.

ENVIRONMENTAL HAZARDS: Dike to prevent entering drains, sewers or water courses.

DISPOSAL: Place in DOT-approved container and dispose of in an approved disposal site.

## VIII. HEALTH PRECAUTION DATA

INGESTION: Wash thoroughly before eating, drinking or smoking. Do not ingest. Do not store near food or feed.

INHALATION: No established PEL/TLV. Wear appropriate respiratory protection for exposures encountered.

SKIN ABSORPTION: Can cause mild skin irritation. Wear proper personal protective equipment to reduce exposure.

EYE EXPOSURE: Keep out of eyes. May be mildly irritating to the eyes. If exposed, flush eyes a minimum of 15 minutes with water. Wear proper eye protection to reduce splash exposure.

EFFECTS OF OVEREXPOSURE: May cause nausea and vomiting. No known chronic effects. Preexisting medical conditions involving the above symptoms may be aggravated by exposure.

FIRST AID: In all cases, get prompt medical attention. If ingested, give several glasses of water. Do not induce vomiting. For skin exposure, remove contaminated clothing and wash with soap and water. For eye contact, irrigate eyes a minimum of 15 minutes with water. For inhalation, remove victim to fresh air, and administer CPR if necessary.

## IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use only NIOSH/MSHA - approved respiratory protection for organic vapors for the exposures encountered. Positive pressure self-contained breathing apparatus should be used for confined space entry and high exposure operations.

PERSONAL PROTECTIVE EQUIPMENT: Not normally required for this product. Recommend chemical goggles and neoprene or rubber gloves.

VENTILATION: Local exhaust ventilation recommended for manufacture and formulation operations. General ventilation sufficient for intended use.

## X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions. Keep away from open flame, heat or ignition sources.

## XI. REGULATORY DATA

SARA HAZARD CLASS:  Acute  Chronic  Flammable  
 Pressure  Reactive  None

SARA 313:  Yes  No Chemical:

SARA 302:  Yes  No Chemical:

TPQ:

CERCLA:  Yes  No Chemical:

RO:

RCRA:  Yes  No

NFPA HAZARD RATING:

Health: [1]

Fire: [1]

Reactivity: [0]

Special: [0]

HMIS CODES:

Health: [1]

Fire: [1]

Reactivity: [0]

NFPA HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

HMIS HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

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\*Technical Material NE - Not Established NA - Not Applicable

**24 Hour Emergency Phone Number**  
**CHEMTREC: (800) 424-9300**

