



MATERIAL SAFETY DATA SHEET

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name RETARDER VZ
MSDS Number 273
CAS Number --0
Supplier TRANS TECH AMERICA, INC.
475 N. GARY AVENUE
CAROL STREAM, IL 60188 USA

Telephone Numbers - 24 Hour Emergency Assistance
Emergency (352)323-3500

Telephone Numbers - General Assistance
Information (630)752-4000

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Concentration	Exposure Limits / Health Hazards
BUTYL DIGLYCOL (DIETHYLENGLYCOLMONOBUTYLETHE	112-34-5	100 %	ND

3 HAZARDS IDENTIFICATION

Emergency Overview

NI

Signs & Symptoms of Short-Term (Acute) Exposure

Harmful.

Effects of Long-Term (Chronic) Exposure

Ni

4 FIRST AID MEASURES

Skin

Wash immediately with plenty of water.

Eye

Rinse immediately with plenty of water. Take to a physician for medical treatment.

Inhalation

Remove to fresh air. Call for a physician if necessary.

Ingestion

Seek medical advice immediately. Do not induce vomiting.

Medical Conditions Aggravated by Exposure

None are known.

5 FIRE FIGHTING MEASURES

Extinguishing Media

Foam, carbon dioxide, chemical powder.

Basic Fire Fighting Procedures

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool tightly closed containers to prevent pressure build-up due to extreme heat.

Unusual Fire & Explosion Hazards

Keep container tightly closed. Avoid heat, open flames, static electricity, electrical equipment and sparks. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions.

Flash Point 105 C

Flammability Limits in Air, Lower, % by Volume 0.8

6 ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedure

Remove sources of ignition Ventilate area. Remove by using suitable inert liquid absorbing material, e.g. Kiesalguhr.

7 HANDLING & STORAGE

Handling

NI

Storage

For industrial use only! use only in well ventilated areas. Keep away from sources of ignition. Keep container tightly closed. When using do not eat, drink, or smoke. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Do not empty into drains.

Ventilation

Local exhaust: yes mechanical (general): yes use and store with adequate ventilation, sufficient to keep exposure below current pels or tlv limits.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Personal Protection Equipments (PPE)

Use safety goggles when contact may occur.

Skin Protection: Personal Protection Equipments (PPE)

Use when contact may occur.

Respiratory Protection: Personal Protection Equipments (PPE)

If tlv of one hazardous component is exceeded, its use must be in compliance with all osha health and fit testing requirements.

9 PHYSICAL & CHEMICAL PROPERTIES

Odor and Appearance

Clear liquid with odor of organic solvents

Boiling Point 228 C

Specific Gravity 0.95

Melting Point NI

Percent Volatile 100 % / 7.93 lbs. per gallon

Vapor Pressure 0.1

Evaporation Rate Slower
Vapor Density NI
Solubility In Water NI

10 STABILITY & REACTIVITY

Stability/Incompatibility

Stable Strong acids, alkalies or oxidizers.

Hazardous Reactions/Decomposition Products

None, provided the product is adequately stored and handled. In case of fire, mainly carbon dioxide, carbon monoxide and soot may be formed.

Hazardous Polymerization

Will not occur.

11 TOXICOLOGICAL INFORMATION

Routes of Exposure

Inhalation, eyes, skin, ingestion.

12 ECOLOGICAL INFORMATION

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of or incinerate in accordance with local, state, and federal regulations.

14 TRANSPORT INFORMATION

Hazard Class Combustible liquid - Class III B UN/NA Code 1263
Labels Required Combustible liquid

15 REGULATORY INFORMATION

NFPA Ratings

Health Flammability Reactivity Special Hazards

HMIS Ratings

Health 1 Flammability 1 Reactivity 1 Personal Prot. Equip. C

16 OTHER INFORMATION

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