

VERSENE 100, CHELATING AGENT

MSDS Number

BGBHM

National Stock Number

6810-00-977-6605

Product Name

VERSENE 100, CHELATING AGENT

Manufacturer

DOW CORNING CORP

Product Identification

Product ID:VERSENE 100, CHELATING AGENT

MSDS Date:01/10/1991

FSC:6810

NIIN:00-977-6605

MSDS Number: BGBHM

Responsible Party

DOW CORNING CORPORATION

SOUTH SAGINAW ROAD

MIDLAND , MI 48686

US

Emergency Phone: 517-496-5900

Info Phone: 517-496-6000

Cage: 5D028

Contractor

VOPAK USA INC

KIRKLAND, WA 98033-7357

US

425-889-3400/425-889-3617

Cage: 0STM5

Ingredients

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

CAS: 64-02-8

RTECS: AH5075000

Fraction By Weight: 37%

TRISODIUM NITRILOTRIACETATE

CAS: 5064-31-3

RTECS: MB8400000

Fraction By Weight: 1%

SODIUM HYDROXIDE (SARA III)

CAS: 1310-73-2

RTECS: WB4900000

Fraction By Weight: 1 - 10%

OSHA PEL2 MG/M3

ACGIH TLV: C 2 MG/M3; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: TO 100%

ETHYLENEDIAMINETETRAACETIC ACID, TRI-SODIUM SALT

CAS: 19019-43-3

Fraction By Weight: 1%

SODIUM GLYCOLATE

CAS: 2836-32-0

RTECS: MC5525000

Fraction By Weight: 3%

Hazards

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 3030 MG/KG

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO

Health Hazards Acute and Chronic:VERSENE 100 HAS A LOW ORAL TOXICITY. EYE CONTACT OR PROLONGED/REPEATED SKIN CONTACT IS IRRITATING AND MAY RESULT IN A CHEMICAL BURN. VAPORS ARE UNLIKELY DUE TO THE PHYSICAL FORM (A SOLUTION).

Explanation of Carcinogenicity:NITRILOTRIACETIC ACID IS LISTED AS BEING "REASONABLY ANTICIPATED TO BE A CARCINOGEN." SEE REPORT FOR DETAILS

Effects of Overexposure:EYE:IRRITATION,PAIN,BURNS TO POSSIBLE BLINDNESS. SKIN:IRRITATION POSSIBLE BURN WITH PROLONGED/REPEATED SKIN CONTACT. INHALED:"UNLIKELY" EXPOSURE. INGESTED:"LOW SINGLE DOSE TOXICITY."

Medical Cond Aggravated by Exposure:NONE REPORTED

First Aid

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, SEE A DOCTOR. EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. DOCTOR TO ORDER VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS.

Fire Fighting

Flash Point Method:PMCC

Flash Point:NONE

Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, CO2, OR ALCOHOL FOAM.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:EXTINGUISH ALL NEARBY SOURCES OF IGNITION SINCE FLAMMABLE HYDROGEN GAS WILL BE LIBERATED FROM CONTACT WITH SOME METALS.

Accidental Release

Spill Release Procedures:WEAR FULL PROTECTIVE EQUIPMENT ESPECIALLY EYE PROTECTION. MOP UP OR ABSORB WITH INERT MATERIAL AND DISPOSE IN DOT APPROVED CONTAINERS. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS AND SOIL. COMPLY WITH ALL SPILL REPORTING REGULATIONS.
Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY MFR.

Handling

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP TIGHTLY CLOSED WHEN NOT IN USE. VENT CAREFULLY.
Other Precautions:'EMPTY' CONTAINERS MAY CONTAIN RESIDUE OR VAPOR. TREAT THEM WITH THE RESPECT DUE FULL ONES. DO NOT CUT,WELD,ETC. ON THEM.

Exposure Controls

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY IF PRODUCT IS USED WITH ADEQUATE VENTILATION.
Ventilation:NORMAL ROOM VENTILATION IS SUFFICIENT. SUPPLEMENT WITH LOCAL EXHAUST IF PEL/TLV IS EXCEEDED.
Protective Gloves:RUBBER
Eye Protection:GOGGLES, FACE SHIELD OR FULL FACE RESPIR
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER, LONG SLEEVED SHIRT, TROUSERS, RUBBER BOOTS AND RUBBER APRON.
Work Hygienic Practices:HMIS:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.
Supplemental Safety and Health
KEY2:KT MSDS RECEIVED FROM NAVY (FOCAL POINT N). CAGE CODE AND NSN IDENTIFIED BY THEM.

Chemical Properties

HCC:N1
NRC/State Lic Num:NONE
Boiling Pt:B.P. Text:223F,106C
Melt/Freeze Pt:M.P/F.P Text:-24F,-31C
Vapor Pres:WATER
Vapor Density:WATER
Spec Gravity:1.31
Evaporation Rate & Reference:Solubility in Water:100%
Appearance and Odor:LIGHT STRAW COLORED LIQUID, SLIGHT AMINE ODOR

Stability

Stability Indicator/Materials to Avoid:YES
ACIDS, OXIDIZING MATERIALS, AMMONIA
Stability Condition to Avoid:EXCESSIVE HEAT
Hazardous Decomposition Products:MAY LIBERATE CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, AMMONIA
Conditions to Avoid Polymerization:WILL NOT OCCUR

Disposal

Waste Disposal Methods:DISPOSE IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE & LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL.

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