

OxyChem® #95008



MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Occidental Chemical Corporation

5005 LBJ Freeway

P.O. Box 809050

Dallas, Texas 75380-9050

24 HOUR EMERGENCY TELEPHONE:

1-800-733-3665 or 1-972-404-3228 (U.S.);

32.3.575.55.55 (Europe);

1800-033-111 (Australia)

TO REQUEST AN MSDS:

1-866-295-5278 or 1-615-399-5148

CUSTOMER SERVICE:

1-800-752-5151 or 1-972-404-3800

MSDS NUMBER: M45499

SUBSTANCE: OXY PVC DISPERSION HOMOPOLYMER RESIN, HC GRADES

TRADE NAMES:

Oxy 68HC; Oxy 75HC; Oxy 80HC

SYNONYMS:

Polyvinyl chloride

PRODUCT USE: vinyl fabrication

REVISION DATE: Sep 25 2003

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: POLYVINYL CHLORIDE

CAS NUMBER: 9002-86-2

PERCENTAGE: 97-98

COMPONENT: NEW JERSEY TRADE SECRET NUMBER NJEIN16589300000-5004P

CAS NUMBER: Proprietary

PERCENTAGE: 0-1.5

COMPONENT: NEW JERSEY TRADE SECRET NUMBER NJEIN16589300000-5003P

CAS NUMBER: Proprietary
PERCENTAGE: 1-1.5

SECTION 3 HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=1 FIRE=1 REACTIVITY=0

HMIS RATINGS (SCALE 0-4): HEALTH=1* FLAMMABILITY=1 REACTIVITY=0

EMERGENCY OVERVIEW:

COLOR: white

PHYSICAL FORM: powder, granules
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MAJOR HEALTH HAZARDS: FUMES PRODUCED IN PROCESSING MAY IRRITATE RESPIRATORY TRACT, SKIN AND EYES. POLYVINYL CHLORIDE CONTAINS VINYL CHLORIDE. VINYL CHLORIDE IS A CANCER-SUSPECT AGENT.
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POTENTIAL HEALTH EFFECTS:

INHALATION:

SHORT TERM EXPOSURE: irritation

LONG TERM EXPOSURE: exposure to high concentrations of dust may reduce lung function

SKIN CONTACT:

SHORT TERM EXPOSURE: mechanical irritation

LONG TERM EXPOSURE: dermatitis

EYE CONTACT:

SHORT TERM EXPOSURE: mechanical irritation

LONG TERM EXPOSURE: to our knowledge, no effects are known

INGESTION:

SHORT TERM EXPOSURE: to our knowledge, no effects are known

LONG TERM EXPOSURE: to our knowledge, no effects are known

CARCINOGEN STATUS:

OSHA: No

NTP: No

IARC: No

SECTION 4 FIRST AID MEASURES

INHALATION: If adverse effects occur, remove to uncontaminated area. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

SKIN CONTACT: Wash contaminated areas with soap and water. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

INGESTION: No hazard expected. IF LARGE AMOUNTS ARE INGESTED, GET MEDICAL ATTENTION.

SECTION 5 FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Slight fire hazard. Although unlikely, dust/air mixtures may explode.

EXTINGUISHING MEDIA: Use extinguishing agents appropriate for surrounding fire.

FIRE FIGHTING: Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Wear NIOSH approved positive-pressure self-contained breathing apparatus. Cool extinguished material to prevent decomposition.

SENSITIVITY TO MECHANICAL IMPACT: Not sensitive

SENSITIVITY TO STATIC DISCHARGE: Electrostatic charges may build up during handling. Grounding of equipment is recommended.

FLASH POINT: 736 F (391 C) (ASTM D 1929)

AUTOIGNITION: 849 F (454 C)

HAZARDOUS COMBUSTION PRODUCTS:

Thermal decomposition products or combustion: hydrochloric acid, oxides of carbon, small amounts of benzene and aromatic and aliphatic hydrocarbons

SECTION 6 ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL RELEASE:

Eliminate all sources of ignition. To minimize dust, vacuum cleaning is preferred. Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies.

SECTION 7 HANDLING AND STORAGE

STORAGE: Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Store in a cool, dry place. Store in a well-ventilated area. Avoid heat, flames, sparks and other sources of ignition. Grounding of equipment is recommended.

HANDLING: Use methods to minimize dust. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. PVC resin processing may result in the release of low levels of vinyl chloride. Use only with adequate ventilation.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS:

OXY PVC DISPERSION HOMOPOLYMER RESIN, HC GRADES:

NUISANCE PARTICULATES (NUISANCE DUST):

5 mg/m³ OSHA TWA (total dust)

10 mg/m³ ACGIH TWA (inhalable particulate)

VENTILATION: Provide local exhaust ventilation where dust or fumes may be generated. Ensure compliance with applicable exposure limits.

EYE PROTECTION: Wear safety glasses with side shields. An emergency eye wash fountain may be provided.

CLOTHING: Wear suitable protective clothing.

GLOVES: Wear suitable gloves.

PROTECTIVE MATERIAL TYPES: canvas, cotton, latex, leather, polyvinyl chloride (PVC)

RESPIRATOR: When there is no possibility of vinyl chloride vapors, and FOR NUISANCE DUST ONLY, an air purifying respirator may be appropriate.

A NIOSH approved respirator with N95 (dust, fume, mist) filters may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure.

A half facepiece air-purifying respirator may be used in concentrations up to 10X the acceptable exposure level and a full facepiece air-purifying respirator may be used in concentrations up to 50X the acceptable exposure level.

Supplied air should be used when the level is expected to be above 50X the acceptable level, or when there is a potential for uncontrolled release.

A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: solid

COLOR: white

PHYSICAL FORM: powder, granules

ODOR: Not available

MOLECULAR FORMULA: (C₂H₃Cl)_n

BOILING POINT: Not applicable

MELTING POINT: Not available

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

SPECIFIC GRAVITY (water=1): 1.4

DENSITY: 1.4 g/mL

WATER SOLUBILITY: negligible

PH: Not applicable

VOLATILITY: Not applicable

ODOR THRESHOLD: Not available

EVAPORATION RATE: Not applicable

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition.

INCOMPATIBILITIES: None known.

HAZARDOUS DECOMPOSITION:

Thermal decomposition products or combustion: hydrochloric acid, oxides of carbon, small amounts of benzene and aromatic and aliphatic hydrocarbons

POLYMERIZATION: PVC is a stable polymer material and will not further polymerize.

SECTION 11 TOXICOLOGICAL INFORMATION

OXY PVC DISPERSION HOMOPOLYMER RESIN, HC GRADES:

TOXICITY DATA: Vinyl chloride monomer (VCM) is unlikely to be present at levels that may produce a biological effect. This material is practically non-toxic by the oral route. Chronic inhalation exposure to dust has produced lung effects similar to nuisance dust. This material is unlikely to cause chemical skin irritation. Mechanical irritation may occur. Eye irritation may occur from the mechanical action of lodged particles.

ADDITIONAL DATA: Minor constituents: 1200-1700 mg/kg oral-rat LD50.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY DATA:

FISH TOXICITY: No data available. This material is believed to be practically non-toxic to aquatic life. Minor constituents may be harmful to aquatic life.

FATE AND TRANSPORT:

BIODEGRADATION: PVC will not biodegrade. Vinyl chloride may degrade under anaerobic conditions.

PERSISTENCE: This material will persist in the environment.

BIOCONCENTRATION: This material will not bioaccumulate. BCF of several minor constituents is 56-71.

OTHER ECOLOGICAL INFORMATION: This material is believed to be practically non-toxic to terrestrial organisms.

SECTION 13 DISPOSAL CONSIDERATIONS

Reuse or reprocess if possible. Dispose in accordance with all applicable regulations.

SECTION 14 TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: Not regulated.

CANADIAN TRANSPORTATION OF DANGEROUS GOODS: Not regulated.

SECTION 15 REGULATORY INFORMATION

U.S. REGULATIONS:**CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):****Vinyl chloride: 1 LBS RQ****SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):** Not regulated.**SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):**

ACUTE: No

CHRONIC: Yes

FIRE: No

REACTIVE: No

SUDDEN RELEASE: No

SARA TITLE III SECTION 313 (40 CFR 372.65): Not regulated.**OSHA PROCESS SAFETY (29CFR1910.119):** Not regulated.

OTHER U.S. REGULATIONS: 29 CFR 1910.1017 (VINYL CHLORIDE). The U.S. Department of Labor, Occupational Safety and Health Administration specifically regulates manufacturing, handling and processing of polyvinyl chloride. Such regulations have been published as 29 CFR 1910.1017. It is necessary that handlers and processors of polyvinyl chloride be familiar with these regulations. This resin may contain trace levels of vinyl chloride ranging from 0 to 0.001%. Under normal working conditions with adequate ventilation, neither the OSHA 8-hour TWA-PEL of 1.0 ppm, the 0.5 ppm action level, nor the C/STEL of 5.0 ppm should be exceeded. The workplace should be monitored, and if the level exceeds the PELs or action levels, refer to 29 CFR 1910.1017. In addition, all containers of PVC Resin shall be legibly labeled with the following warning: POLYVINYL CHLORIDE CONTAINS VINYL CHLORIDE. VINYL CHLORIDE IS A CANCER-SUSPECT AGENT.

STATE REGULATIONS:**California Proposition 65:**

Known to the state of California to cause the following:

Vinyl chloride

Cancer (Feb 27, 1987)

NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW:**REPORTING REQUIREMENT:**

POLYVINYL CHLORIDE 9002-86-2 97-98%

RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST:

Not regulated.

SPECIAL HEALTH HAZARD SUBSTANCE LIST:

Not regulated.

PENNSYLVANIA RIGHT TO KNOW:**REPORTING REQUIREMENT:**

POLYVINYL CHLORIDE 9002-86-2 97-98%

HAZARDOUS SUBSTANCE LIST:

Not regulated.

ENVIRONMENTAL HAZARDOUS SUBSTANCE LIST:

Not regulated.

SPECIAL HAZARDOUS SUBSTANCE LIST:

Not regulated.

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION: D2B.

NATIONAL INVENTORY STATUS:

U.S. INVENTORY (TSCA): All the components of this substance are listed on or are exempt from the inventory.

TSCA 12(b) EXPORT NOTIFICATION: Not listed.

CANADA INVENTORY (DSL/NDL): All components of this product are listed on the DSL.

SECTION 16 OTHER INFORMATION

IMPORTANT: The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. **NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SUITABILITY, STABILITY OR OTHERWISE.** The information included herein is not intended to be all-inclusive as to the appropriate manner and/or conditions of use, handling and/or storage. Factors pertaining to certain conditions of storage, handling, or use of this product may involve other or additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use are intended to, and nothing herein shall be construed as a recommendation to, infringe any existing patents or violate any laws, rules, regulations or ordinances of any governmental entity.

