

SAFETY DATA SHEET

M45496 - ANSI - EN



OXYVINYLS® 185TR AND 225TR PVC HOMOPOLYMER SUSPENSION RESIN

SDS No.: M45496

SDS Revision Date: 08-Apr-2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Identification:	Oxy Vinyls, LP 5005 LBJ Freeway Suite 2200 Dallas, Texas 75244-6119
24 Hour Emergency Telephone Number:	1-800-733-3665 or 1-972-404-3228 (USA); CHEMTREC (within USA and Canada): 1-800-424-9300; CHEMTREC (outside USA and Canada): +1 703-527-3887; CHEMTREC Contract No: CCN16186
To Request an SDS:	MSDS@oxy.com or 1-972-404-3245
Customer Service:	1-800-752-5151 or 1-972-404-3700
Product Identifier:	OXYVINYLS® 185TR AND 225TR PVC HOMOPOLYMER SUSPENSION RESIN
Trade Name:	OxyVinyls® 185TR; OxyVinyls® 225TR
Synonyms:	Polyvinyl chloride
Product Use:	Vinyl fabrication
Uses Advised Against:	None identified.

2. HAZARDS IDENTIFICATION

OXYVINYLS® 185TR AND 225TR PVC HOMOPOLYMER SUSPENSION RESIN

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OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

EMERGENCY OVERVIEW:

Color: White
Physical state: Solid
Appearance: Powder, Granular
Odor: Odorless

Signal Word: **WARNING**

MAJOR HEALTH HAZARDS: MAY CAUSE DAMAGE TO RESPIRATORY SYSTEM THROUGH PROLONGED OR REPEATED EXPOSURE. MAY BE IRRITATING TO EYES. POLYVINYL CHLORIDE CONTAINS VINYL CHLORIDE. VINYL CHLORIDE IS A CANCER-SUSPECT AGENT. THIS PRODUCT CONTAINS VINYL CHLORIDE MONOMER (VCM) AT CONCENTRATIONS OF 10 PPM OR LESS (<0.001%).

PHYSICAL HAZARDS: Use methods to minimize generation of dust. PVC dust is capable of propagating a secondary dust explosion.

PRECAUTIONARY STATEMENTS: Do not breathe dust. Avoid contact with skin, eyes and clothing. Keep container tightly closed and properly labeled. Wash thoroughly after handling. Use only with adequate ventilation.

ADDITIONAL HAZARD INFORMATION: Fumes produced in processing may irritate respiratory tract, skin, and eyes. This material causes mild mechanical irritation to skin and eyes. Good hygiene and safety practices should be used when handling and working with this material. Good hygiene practices include but are not limited to: wearing suitable gloves and/or eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing; etc.

GHS CLASSIFICATION:

GHS: TARGET ORGAN TOXICITY (REPEATED EXPOSURE):	Category 2 - May cause damage to respiratory system through prolonged or repeated exposure
GHS: CARCINOGENICITY:	Not classified as a carcinogen per GHS criteria. This product is not classified as a carcinogen by NTP, IARC or OSHA. This material does not contain vinyl chloride monomer (VCM) at high enough levels to classify it as a carcinogen.

UNKNOWN ACUTE TOXICITY:

Not applicable. This product was tested as a whole. This information only pertains to untested mixtures.

GHS SYMBOL:

Health hazards

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**GHS SIGNAL WORD:** WARNING**GHS HAZARD STATEMENTS:****GHS - Health Hazard Statement(s)**

May cause damage to organs through prolonged or repeated exposure: (Respiratory System)

GHS - Precautionary Statement(s) - Prevention

Do not breathe dust

GHS - Precautionary Statement(s) - Response

Get medical advice/attention if you feel unwell

GHS - Precautionary Statement(s) - Storage

There are no Precautionary-Storage phrases assigned

GHS - Precautionary Statement(s) - Disposal

Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.

Hazards Not Otherwise Classified (HNOC)

Minimize dust formation

PVC dust is capable of propagating a secondary dust explosion

See Section 11: TOXICOLOGICAL INFORMATION**3. COMPOSITION/INFORMATION ON INGREDIENTS****Synonyms:** Polyvinyl chloride

Component	Percent [%]	CAS Number
Ethene, chloro-, homopolymer (PolyVinyl Chloride)	100	9002-86-2
Vinyl chloride	0 - 0.001	75-01-4

4. FIRST AID MEASURES

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INHALATION: If adverse effects occur, such as irritation, remove to uncontaminated area. Get medical attention if you feel unwell.

SKIN CONTACT: Wash contaminated areas with water. If irritation persists, get medical advice/attention.

EYE CONTACT: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs, get medical advice/attention.

INGESTION: No expected effect. If large amounts are ingested, GET MEDICAL ATTENTION.

Most Important Symptoms/Effects (Acute and Delayed) ..

Acute Symptoms/Effects: Acute symptoms are caused by mechanical irritation.

Inhalation (Breathing): Respiratory System Effects: Inhalation of powders or fine particulates may cause respiratory tract irritation, cough.

Skin: Skin Irritation. Exposure of powder or fine particulates to skin may cause slight redness, irritation due to mechanical effect.

Eye: Eye Irritation. Eye exposure may cause mild irritation of the eye lids and conjunctiva due to mechanical effect.

Ingestion (Swallowing): No known effects.

Other Health Effects: Occupational asthma has been reported.

Delayed Symptoms/Effects:

- Inhalation of high levels of respirable PVC particles has been associated with pulmonary fibrosis, a PVC pneumoconiosis, in several studies. Laboratory findings included small opacities on chest x-ray and impairment of lung function (restriction or reversible airway obstruction)
- Occupational asthma has been reported
- Respirable particles are less than 10 microns in size. Particles associated with suspension polymerization are typically greater than 10 microns in size
- This product contains less than 10 ppm of vinyl chloride monomer (VCM)

Interaction with Other Chemicals Which Enhance Toxicity: None known.

Medical Conditions Aggravated by Exposure: Respiratory conditions including asthma and other breathing disorders.

Protection of First-Aiders: Do not breathe dust. Avoid contact with skin and eyes. Use personal protective equipment. Refer to Section 8 for specific personal protective equipment recommendations. At minimum, treating personnel should utilize PPE sufficient for prevention of bloodborne pathogen transmission.

Notes to Physician: This material causes mild mechanical irritation to skin and eyes. Removing the material via irrigation is usually sufficient.

5. FIRE-FIGHTING MEASURES

Fire Hazard: Slight fire hazard. Although unlikely, dust/air mixtures may pose a limited risk of explosion under certain conditions (see Section 7).

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Explosive properties: Minimize dust formation. PVC dust is capable of propagating a secondary dust explosion.

Extinguishing Media: Use media appropriate for surrounding fire.

Fire Fighting: Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode. Cool extinguished material to prevent decomposition.

Hazardous Combustion Products: Phosgene, Hydrogen chloride, Oxides of carbon, Small amounts of benzene and aromatic and aliphatic hydrocarbons

Sensitivity to Mechanical Impact: Not sensitive.

Sensitivity to Static Discharge: Electrostatic charges may build up during handling. Ground equipment.

Lower Flammability Level (air): Not flammable

Upper Flammability Level (air): Not flammable

Flash point: 736 °F (391 °C)

Method: ASTM D1929

Auto-ignition Temperature: 849 °F (454 °C)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Keep unnecessary people away, isolate hazard area and deny entry. Eliminate all sources of ignition. Ground equipment. Do not breathe dust. Avoid contact with skin and eyes. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS.

Methods and Materials for Containment and Cleaning Up:

Collect spilled material in appropriate container for disposal. Avoid dust formation. To minimize dust, vacuum cleaning is preferred.

Environmental Precautions:

Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies.

7. HANDLING AND STORAGE

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Precautions for Safe Handling:

Use methods to minimize generation of dust. PVC dust is capable of propagating a secondary dust explosion. Avoid breathing dust. This potential can be reduced by good housekeeping, prevention of dust from process equipment, preventing accumulation of dust emissions on overhead, horizontal surfaces and eliminating potential ignition sources. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. PVC resin processing may result in the release of low levels of vinyl chloride.

Safe Storage Conditions:

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

Incompatibilities/ Materials to Avoid:

None known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Regulatory Exposure Limit(s): Listed below for the product components that have regulatory occupational exposure limits (OEL's) established.

Component	OSHA Final PEL TWA	OSHA Final PEL STEL	OSHA Final PEL Ceiling
Particles Not Otherwise Regulated (PNOR) 00-00-001	15 mg/m ³ (Total) 5 mg/m ³ (Respirable)	-----	-----
Ethene, chloro-, homopolymer (PolyVinyl Chloride) 9002-86-2	-----	-----	-----
Vinyl chloride 75-01-4	1 ppm	5 ppm	-----

OEL: Occupational Exposure Limit; OSHA: United States Occupational Safety and Health Administration;
PEL: Permissible Exposure Limit; TWA: Time Weighted Average; STEL: Short Term Exposure Limit

NON-REGULATORY EXPOSURE LIMIT(S): Listed below for the product components that have advisory (non-regulatory) occupational exposure limits (OEL's) established.

Component	CAS Number	ACGIH TWA	ACGIH STEL	ACGIH Ceiling	OSHA TWA (Vacated)	OSHA STEL (Vacated)	OSHA Ceiling (Vacated)
Ethene, chloro-, homopolymer (PolyVinyl Chloride)	9002-86-2	1 mg/m ³ (respirable)	-----	-----	-----	-----	-----
Particulates Not Otherwise Specified (PNOS)	Not Assigned	10 mg/m ³ (Inhalable) 3 mg/m ³ (Respirable)	-----	-----	-----	-----	-----
Vinyl chloride	75-01-4	1 ppm	-----	-----	-----	-----	-----

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- The Non-Regulatory United States Occupational Safety and Health Administration (OSHA) limits, if shown, are the Vacated 1989 PEL's (vacated by 58 FR 35338, June 30, 1993).

- The American Conference of Governmental Industrial Hygienists (ACGIH) is a voluntary organization of professional industrial hygiene personnel in government or educational institutions in the United States. The ACGIH develops and publishes recommended occupational exposure limits each year called Threshold Limit Values (TLVs) for hundreds of chemicals, physical agents, and biological exposure indices.

Additional Advice: The fabrication processes for the final product may involve coating, calendering, and molding. To assess the health hazards associated with exposure to compounded PVC dusts, it may be necessary to have information on the ingredients used in the compounding of the resin.

ENGINEERING CONTROLS: Provide local exhaust ventilation where dust or vapors may be generated. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Use good hygiene practices when handling this material. Safety glasses with side-shields or goggles are recommended when there is a potential for eye contact.

Skin and Body Protection: As a good hygiene practice, wear protective clothing to minimize skin contact such as standard industrial work clothes, coveralls, safety footwear.

Hand Protection: As a good hygiene practice, wear appropriate chemical resistant gloves. Consult a glove supplier for assistance in selecting an appropriate chemical resistant glove.

Protective Material Types: Polyvinyl chloride (PVC), Tyvek®

Respiratory Protection: A NIOSH approved respirator with N95 (dust, fume, mist) cartridges 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. The added protection of a full face-piece respirator is required when visible dusty conditions are encountered and eye irritation may occur. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

HYGIENE MEASURES: Handle in accordance with good industrial hygiene and safety practices. Good hygiene practices include but are not limited to: wearing suitable gloves and/or eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing; etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Appearance:	Powder, Granular
Color:	White
Odor:	Odorless

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Odor Threshold [ppm]:	No data available.
Molecular Formula:	(C ₂ H ₃ Cl) _n
Decomposition Temperature:	No data available
Boiling Point/Range:	Not applicable to solids
Freezing Point/Range:	Not applicable to solids.
Melting Point/Range:	No data available
Vapor Pressure:	Not applicable
Vapor Density (air=1):	Not applicable
Relative Density/Specific Gravity (water=1):	1.4
Density:	1.4 gm/cm ³
Water Solubility:	Negligible
pH:	Not applicable
VOC Content (%):	No data available
Volatility:	Not applicable
Evaporation Rate (ether=1):	Not applicable
Partition Coefficient (n-octanol/water):	No data available
Flash point:	736 °F (391 °C)
Method:	ASTM D1929
Flammability (solid, gas):	Not flammable
Lower Flammability Level (air):	Not flammable
Upper Flammability Level (air):	Not flammable
Auto-ignition Temperature:	849 °F (454 °C)
Viscosity:	Not applicable to solids

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal temperatures and pressures.

Chemical Stability: Stable at normal temperatures and pressures.

Possibility of Hazardous Reactions:

Avoid heat, flames, sparks and other sources of ignition.

Conditions to Avoid:

(e.g., static discharge, shock, or vibration) -. None known.

Incompatibilities/ Materials to Avoid:

None known.

Hazardous Decomposition Products: Hydrochloric acid, Carbon oxides, Small amounts of benzene and aromatic and aliphatic hydrocarbons, phosgene

Hazardous Polymerization: PVC is a stable polymer and will not further polymerize. This material will not depolymerize to form VCM.

11. TOXICOLOGICAL INFORMATION

OXYVINYLS® 185TR AND 225TR PVC HOMOPOLYMER SUSPENSION RESIN

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TOXICITY DATA:**PRODUCT TOXICITY DATA: OXYVINYLS® 185TR AND 225TR PVC HOMOPOLYMER SUSPENSION RESIN**

LD50 Oral: No data available	LD50 Dermal: No data available	LC50 Inhalation: No data available
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COMPONENT TOXICITY DATA:

Note: The component toxicity data is populated by the LOLI database and may differ from the product toxicity data given.

Component	LD50 Oral:	LD50 Dermal:	LC50 Inhalation:
Ethene, chloro-, homopolymer (PolyVinyl Chloride) 9002-86-2	-----	-----	-----
Vinyl chloride 75-01-4	-----	-----	18 pph (15 minr-Rat)

POTENTIAL HEALTH EFFECTS:

- Eye contact:** Eye exposure may cause mild irritation of the eye lids and conjunctiva. May cause eye irritation from the mechanical action of lodged particles.
- Skin contact:** This material is unlikely to cause chemical skin irritation. Skin irritation may occur due to mechanical action. Exposing skin to powder or fine particulate may cause slight redness, irritation.
- Inhalation:** No known effects. Inhalation of powder or fine particulates may cause irritation, cough.
- Ingestion:** No known effects. This material is practically non-toxic by the oral route.
- Chronic Effects:** Chronic exposure to the respirable fraction (particles less than 10 microns in size) of PVC particles, may produce pulmonary fibrosis. Particle sizes associated with suspension polymerization are typically greater than 10 microns in size. Product contains residual amounts of VCM, concentrations are less than 10 ppm(<0.001%).

SIGNS AND SYMPTOMS OF EXPOSURE:

- Inhalation (Breathing):** Respiratory System Effects: Inhalation of powders or fine particulates may cause respiratory tract irritation, cough.
- Skin:** Skin Irritation. Exposure of powder or fine particulates to skin may cause slight redness, irritation due to mechanical effect.
- Eye:** Eye Irritation. Eye exposure may cause mild irritation of the eye lids and conjunctiva due to mechanical effect.
- Ingestion (Swallowing):** No known effects.

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Other Health Effects: Occupational asthma has been reported.

ACUTE TOXICITY:

Vinyl chloride monomer (VCM) is NOT likely to be present at levels that would produce an acute biological effect when used in a well ventilated area. Acute biological effects of VCM include CNS and respiratory depression.

CHRONIC TOXICITY:

The available evidence from experimental animals and from humans indicates that pure PVC is not metabolized in mammals. Several studies have described pulmonary fibrosis from inhalation of high levels of respirable PVC particles. PVC resin particles generated by suspension polymerization are generally large enough in diameter that the majority are not considered respirable. Vinyl chloride monomer (VCM) is NOT likely to be present at levels that would produce a chronic biological effect when used in a well ventilated area. Chronic biological effects of VCM include damage to the liver, which causes angiosarcoma of the liver (a rare form of liver cancer in humans), Raynaud's syndrome, and acroosteolysis (bone loss in finger tips). Long latent period may exist between exposure and symptom onset.

Interaction with Other Chemicals Which Enhance Toxicity: None known.

GHS HEALTH HAZARDS:**GHS: CARCINOGENICITY:**

Not classified as a carcinogen per GHS criteria. This product is not classified as a carcinogen by NTP, IARC or OSHA. This material does not contain vinyl chloride monomer (VCM) at high enough levels to classify it as a carcinogen.

Component	NTP:	IARC (GROUP 1):	IARC (GROUP 2):	OSHA:
Ethene, chloro-, homopolymer (PolyVinyl Chloride)	Not Listed	Not listed	Not listed	Not Listed
Vinyl chloride	Listed	Group 1	Not listed	Listed

SPECIFIC TARGET ORGAN TOXICITY (Repeated or Prolonged Exposure):

Category 2 - Respiratory System

12. ECOLOGICAL INFORMATION

ECOTOXICITY DATA:**Aquatic Toxicity:**

No data available. This material is believed to be practically non-toxic 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.

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BIOCONCENTRATION: This material will not bioconcentrate.

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

13. DISPOSAL CONSIDERATIONS

Waste from material:

Reuse or reprocess, if possible. May be subject to disposal regulations. Dispose of contents/ container in accordance with applicable local, regional, national, and/or international regulations.

Container Management:

Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container rinsate must be disposed of in compliance with applicable regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT

U.S. DOT 49 CFR 172.101:

Status: Not regulated

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

Status: Not regulated.

MARITIME TRANSPORT (IMO / IMDG) Not regulated

Status - IMO / IMDG: Not Regulated

15. REGULATORY INFORMATION

U.S. REGULATIONS

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OSHA REGULATORY STATUS:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):

If a release is reportable under CERCLA section 103, notify the state emergency response commission and local emergency planning committee. In addition, notify the National Response Center at (800) 424-8802 or (202) 426-2675.

Component	CERCLA Reportable Quantities:
Vinyl chloride	1 lb (final RQ)

SARA EHS Chemical (40 CFR 355.30)

Not regulated

EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):

None

EPCRA SECTION 313 (40 CFR 372.65):

Not regulated.

Component	Status:
Vinyl chloride	0.1 %

DEPARTMENT OF HOMELAND SECURITY (DHS)- Chemical Facility Anti-Terrorism Standards (6 CFR 27):

No components in this material are regulated under DHS

OSHA SPECIFICALLY REGULATED SUBSTANCES:

OSHA 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 at 29 CFR 1910.1017. It is necessary that handlers and processors of polyvinyl chloride be familiar with these regulations. This resin may contain low levels of vinyl chloride. 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. [NOTE: Although the OSHA Vinyl Chloride Standard requires this specific language for containers of PVC resins, vinyl chloride is classified by IARC and NTP as a known human carcinogen].

OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):

Not regulated

NATIONAL INVENTORY STATUS

U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA): All components are listed or exempt.

TSCA 12(b): This product is not subject to export notification.

Canadian Chemical Inventory: All components of this product are listed on either the DSL or the NDSL.

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STATE REGULATIONS**California Proposition 65:**

This product is not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act. For additional information, contact OxyChem Customer Relations.

Component	California Proposition 65 Cancer WARNING:	California Proposition 65 CRT List - Male reproductive toxin:	California Proposition 65 CRT List - Female reproductive toxin:	Massachusetts Right to Know Hazardous Substance List	New Jersey Right to Know Hazardous Substance List	New Jersey Special Health Hazards Substance List
Ethene, chloro-, homopolymer (PolyVinyl Chloride) 9002-86-2	Not Listed	Not Listed	Not Listed	Not Listed	3622	Not Listed
Vinyl chloride 75-01-4	Listed	Not Listed	Not Listed	Listed	2001	carcinogen; flammable - fourth degree; mutagen

Component	New Jersey - Environmental Hazardous Substance List	Pennsylvania Right to Know Hazardous Substance List	Pennsylvania Right to Know Special Hazardous Substances	Pennsylvania Right to Know Environmental Hazard List	Rhode Island Right to Know Hazardous Substance List
Ethene, chloro-, homopolymer (PolyVinyl Chloride) 9002-86-2	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Vinyl chloride 75-01-4	Listed	Listed	Present	Present	Not Listed

CANADIAN REGULATIONS

• This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations

Canada - CEPA Schedule I - Toxic Substance list: Not Listed

Canadian Domestic Substance List (DSL/NDL): Listed

WHMIS - Classifications of Substances:

• UP - Uncontrolled Product

16. OTHER INFORMATION

Prepared by: OxyChem Corporate HESS - Product Stewardship

Rev. Date: 08-Apr-2015

HMIS: (SCALE 0-4) (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)

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Health Rating: 0*

Flammability Rating: 1

Reactivity Rating: 0

NFPA 704 - Hazard Identification Ratings (SCALE 0-4)

NFPA 704 - Hazard Identification Ratings (SCALE 0-4).

Health Rating: 0

Flammability: 1

Reactivity Rating: 0

Reason for Revision:

- Updated the (M)SDS header
- Changed the SDS format to meet the GHS requirements of the revised 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
- Product Identifier has been added or updated: SEE SECTION 1
- Updated Uses Advised Against information: SEE SECTION 1
- Added OSHA Status: SEE SECTION 2
- Emergency Overview was revised: SEE SECTION 2
- Added GHS Information: SEE SECTION 2
- Modified Composition/Information on Ingredients: SEE SECTION 3
- Updated First Aid Measures: SEE SECTION 4
- Modified Fire Fighting Measure Recommendations: SEE SECTION 5
- Revised Accidental Release Measures: SEE SECTION 6
- Revised Handling and Storage Recommendations: SEE SECTION 7
- Revised Exposure Controls/Personal Protection information: SEE SECTION 8
- Updated Physical and Chemical Properties. SEE SECTION 9
- Stability and Reactivity recommendations: SEE SECTION 10
- Toxicological Information has been revised: SEE SECTION 11
- Updated Disposal Considerations. SEE SECTION 13
- Added SDS Revision Date: SEE SECTION 16
- Added/Updated Revision Log: SEE SECTION 16

IMPORTANT:

The information presented herein, while not guaranteed, was prepared by 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, EXPRESSED OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and OxyChem assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patents or to violate any Federal, State, local or foreign laws

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees

End of Safety Data Sheet