



Hummel Croton Inc.
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In Case Of Emergency Call Chemtrec®
(U.S.) (800) 424-9300
(International) (703) 527-3887

Polyvinyl Chloride Safety Data Sheet

1. Product and Company

Product name: Polyvinyl Chloride
Synonym: PVC, Vinyl
CAS-No.: 9002-86-2
Company: Hummel Croton Inc.
10 Harmich Rd.
South Plainfield, NJ 07080
Telephone: 908-754-1800
Fax: 908-754-1815

HMIS Rating	
Health	0
Flammability	1
Reactivity	0
Personal Protection	E

Emergency telephone number

Emergency Phone #: Chemtrec US: 800-424-9300
Chemtrec International: 703-527-3887

2. Hazards

GHS Classification Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

GHS Label elements

Pictogram(s)



Signal word **WARNING**

Hazard statement(s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3. Composition/Ingredients

Substance

Formula: $(CH_2CHCl)_n$
Molecular weight: Varies
CAS-No.: 9002-86-2

Material	CAS	%	OSHA	ACGIH
Polyvinyl Chloride	9002-86-2	99+%	15 mg/m ³ as Nuisance Dust	15 mg/m ³ as Nuisance Dust
Bis(2-ethylhexyl) Phthalate*	117-81-7	< 1%	5 mg/m ³	5 mg/m ³
Vinyl Chloride Monomer**	75-01-4	< 8.5 ppm	1 ppm	5 ppm

* Bis(2-ethylhexyl) phthalate is an NTP anticipated human carcinogen and IARC possible human carcinogen.

** Vinyl chloride monomer is an OSHA cancer suspect agent, ACGIH confirmed human carcinogen and NTP and IARC human carcinogen.

4. First Aid

First Aid For Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

First Aid For Skin: In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

First Aid For Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

First Aid For Ingestion: If swallowed, call a physician immediately.

5. Fire Data

Flammability: Non-Flammable

Flash Point: 391°C by ASTM D1929

Auto Ignition: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Water spray.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire

Fire/Explosion Hazards: Emits toxic fumes under fire conditions.

6. Accidental Release

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water.

Collect wash water for approved disposal. Keep from entering water or ground water.

7. Handling And Storage

Storage Temperatures: Store at ambient temperature

Shelf Life: Unlimited in tightly sealed container

Special Sensitivity: None.

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

8. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

9. Physical And Chemical Properties

Physical Form: Free flowing powder

Color: White

Odor: Odorless
Molecular Weight: Varies
Boiling Point: Not Established
Melting/Freezing Point: Decomposes above 250°C
Solubility In Water: Insoluble
Specific Gravity: 1.4

10. Stability And Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibilities: Avoid contact with strong oxidizers. Also, avoid contact with acetal or acetal copolymers and with amine containing materials during processing. At processing conditions, these materials are mutually destructive and involve rapid degradation.

Instable Conditions: Excessive temperatures (see incompatibilities).

Decomposition Temperature: Prolonged heating of product above 200°C or short term heating above 250°C may result in rapid evolution of hydrogen chloride.

Decomposition Products: Hydrogen chloride, carbon monoxide, carbon dioxide and small amounts of benzene and aromatic aliphatic hydrocarbons.

11. Toxicological Information

RTECS Number: Not Established for Polyvinyl Chloride

Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data: See Section III above and information below

Chronic Toxic Effects: Vinyl resin has little effect on the lungs and is not known to cause any disease when dust exposure is minimized. Routine inhalation of dust of any kind should be avoided.

Acute Toxic Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness.

Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

Chronic Health Effects: This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.

Toxicity Data for: Bis(2-ethylhexyl)Phthalate*LD50 (rat, oral): 30,500 mg/kg Bis(2-ethylhexyl)Phthalate* is a NTP anticipated human carcinogen and IARC possible human carcinogen.

Toxicity Data for: Vinyl Chloride Monomer*LD50 (rat, inhalation): 18 pph /15M Vinyl Chloride Monomer* is an OSHA cancer suspect agent, ACGIH confirmed human carcinogen, and NTP and IARC human carcinogen.

* This data for Bis(2-ethylhexyl)Phthalate and Vinyl Chloride Monomer apply to the pure form of the compound. In Polyvinyl Chloride Bis(2-ethylhexyl)Phthalate exist in concentrations less than 1%. The Vinyl chloride Monomer exists in concentrations less than 8.5 ppm.

12. Ecological Information

Ecotoxicity: Not available at this time.

13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

14. Transportation Information

Proper Shipping Name: Polyvinyl Chloride

UN Number: N/A

Class: N/A

P.G.: N/A

Label Code: N/A

15. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List

California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive effects.

SARA 313 Title III:

Section 320 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

16. Other Information

Prepared By: Michael Richard

Date: June 1, 2015

Reason For Issue: GHS Compliance

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