



Hummel Croton Inc.  
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In Case Of Emergency Call  
(U.S.) 800-424-9300  
(International) +1-813-248-3924

## Hexachloroethane Safety Data Sheet

### 1. Product and Company

Product name: Hexachloroethane  
Synonym: Carbon Hexachloride, Perchloroethane  
CAS-No.: 67-72-1  
Company: Hummel Croton Inc.  
10 Harmich Rd.  
South Plainfield, NJ 07080  
Telephone: 908-754-1800  
Fax: 908-754-1815

HMIS Rating	
Health	2
Flammability	1
Reactivity	0
Personal Protection	J

Emergency telephone number

Emergency Phone #: Chemtrec US: 800-424-9300  
ChemTel International: +1-813-248-0585

### 2. Hazards

GHS Classification Skin irritant (Category 2), H315  
Eye irritant (Category 2), H319  
Specific target organ toxicity – single exposure (Category 3a), H335  
Carcinogenicity (Category 2), H351  
Aquatic toxicity, chronic (Category 1), H410

#### 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.
- H351 Suspected of causing cancer .
- H410 Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P273 Avoid release to the environment.
- P281 Use personal protective equipment as required
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

None.

### 3. Composition/Ingredients

Substance  
Formula:  $C_2Cl_6$   
Molecular weight: 236.74 g/mol  
CAS-No.: 67-72-1

Material	CAS	%	OSHA	ACGIH
Hexachloroethane	67-72-1	100%	1 ppm (Skin)	1 ppm (Skin)

### 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: Not Applicable

Auto Ignition: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Spray, carbon dioxide, dry chemical powder, or appropriate foam.

Fire Fighting Procedure: Firefighters should wear full protective clothing and self-contained breathing apparatus to avoid contact with skin and eyes.

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: Crystals

Color: White

Odor: Camphor like odor

Molecular Weight: 236.74 g/mol

Boiling Point: Triple point 186.7°C

Melting/Freezing Point: Triple point 186.7°C

Solubility In Water: Insoluble

Specific Gravity: 2.091

## **10. Stability And Reactivity**

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizing agents and strong bases.

Instable Conditions: Excessive temperatures (see incompatibilities).

Decomposition Temperature: Sublimes above 186.7°C

Decomposition Products: Carbon monoxide, carbon dioxide, hydrogen chlorine gas, phosgene gas.

## 11. Toxicological Information

RTECS Number: KI4025000

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

Toxicity Data: ORL-RAT LD50: 4460 mg/kg IPR-MUS LD50: 4500 mg/kg SKN-RBT LD50: 32 mg/kg

Chronic Toxic Effects: CARCINOGEN, Damage To The Liver. May Cause Nervous System Disturbances.

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.

## 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: Toxic Solid, Organic, N.O.S. (Hexachloroethane)

UN Number: 2811

Class: 6.1

P.G.: III

Label Code: 6.1

Reportable Quantity: RQ100(45.5)

## 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: Yes

## **16. Other Information**

Prepared By: Michael Richard

Date: March 21, 2018

Reason For Issue: Emergency Contact Update

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