



SAFETY DATA SHEET

1. Identification

Product identifier Hercules Propoxy® 20

Other means of identification

Product code 7375E

Synonyms Part Numbers: 25515

Recommended use Epoxy based sealant.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name HCC Holdings, Inc. an Oatey Affiliate

Address 4700 West 160th Street
Cleveland, OH 44135

Telephone 216-267-7100

E-mail info@oatey.com

Transport Emergency Chemtrec 1-800-424-9300 (Outside the US 1-703-527-3887)

Emergency First Aid 1-877-740-5015

Contact person MSDS Coordinator

2. Hazard(s) identification

Physical hazards Not Classified.

Health hazards Skin corrosion/irritation Cat 2B
Serious eye damage/eye irritation Cat 2B
Skin sensitization Cat 1

OSHA defined hazards Not Classified

Label elements



Signal word Warning!

Hazard statement Causes skin and eye irritation.
May cause an allergic skin reaction.

Precautionary statement

Prevention Wear protective gloves. Wear eye or face protection. Avoid breathing dust. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage Not applicable.

Disposal Dispose of contents and container in accordance with all local, regional, national and International regulations.

Hazard(s) not otherwise classified (HNOC) None known.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	25068-38-6	10 – 30
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	1 – 5
crystalline silica non-respirable	14808-60-7	0.1 - 1

*Designates that a specific chemical identity and or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Ingestion

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Irritating to mouth, throat and stomach.

Indication of immediate medical attention and special treatment Needed

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

General information

None

5. Fire-fighting measures

Suitable extinguishing media

Use an existing agent suitable for surrounding fire.

Unsuitable extinguishing media

None known.

Specific hazards arising from the chemical

No specific fire or explosion hazard.

Special protective equipment and precautions for firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Fire-fighting equipment/instructions

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Specific methods

None

General fire hazards

None

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Methods and materials for

Large Spills: Move containers from spill area. Approach release from upwind. Prevent entry into

containment and cleaning up

sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Small Spills: Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

7. Handling and storage**Precautions for safe handling**

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage, including any incompatibilities

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Do not store above the following temperature: 35°C (95°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection**Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
crystalline silica non-respirable (CAS 14808-60-7)	PEL	10 mg/M3

US. ACGIH Threshold Limit Values

Components	Type	Value
crystalline silica non-respirable (CAS 14808-60-7)	Ceiling	0.025 mg/m ³

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
crystalline silica non-respirable (CAS 14808-60-7)	Ceiling	0.05 mg.m ³

Biological limit values

No Biological limits.

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection**Hand**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be

Other	accurately estimated. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Thermal hazards	None.
General hygiene considerations	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and chemical properties

Appearance

Physical state	Solid.
Form	Rod
Color	Black/White
Odor	Sulfurous
Odor threshold	Not available.
pH	Not Applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not determined
Flash point	Not Applicable
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not Available
Flammability limit – upper (%)	Not Available
Explosive limit - lower (%)	Not Available
Explosive limit - upper (%)	Not Available
Vapor pressure	Not Available
Vapor density	Not Available
Relative density	1.95
Solubility(ies)	Insoluble in the following materials: cold water and hot water.
Solubility (water)	Not applicable
Partition coefficient (n-octanol/water)	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	>150°C (>302°F)
Viscosity	Not Available
Other information	
VOC (Weight %)	< 0.1% by weight

10. Stability and reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous reaction	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	No specific data.
Incompatible materials	No specific data.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	Irritating to mouth, throat and stomach.
Symptoms related to the	Irritation, pain or redness

physical, chemical and toxicological characteristics

Information on likely routes of exposure

Acute Toxicity

Components	Species	Results
2,4,6-tris (dimethylaminomethyl)phenol		
LD50 Dermal	Rat	1280 mg/kg
LD50 Oral	Rat	1200 mg/kg

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation

Serious eye damage/eye irritation

Direct contact in the eye may cause temporary irritation

Respiratory or skin sensitization

Respiratory sensitization

Not considered a respiratory irritant

Skin sensitization

This product is not expected to cause skin irritation.

Germ cell mutagenicity

No specific data

Carcinogenicity

No known significant effects or critical hazards.

Reproductive toxicity

No known significant effects or critical hazards.

Specific target organ toxicity

Single exposure

Not Classified.

Repeated exposure

Not Classified.

Aspiration Hazard

Not an aspiration hazard.

Chronic effects

Not Classified.

Further information

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

12. Ecological information

Ecotoxicity

No Specific Data.

Persistence and degradability

No Specific Data.

Bio accumulative potential

Product/ingredient name	LogPow	BCF	Potential
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	2.64 – 3.78	31	low
2,4,6-tris(dimethylaminomethyl)phenol	.219	-	low

Mobility in soil

Not available

Other adverse effects

No known significant effects or critical hazards.

13. Disposal considerations

Disposal instructions

Local disposal regulations

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste code

Not available

Waste from residues / unused products

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Contaminated packaging

Waste packaging should be recycled.

14. Transportation information

DOT

UN number

Not Regulated

UN Proper Shipping Name

-

Transportation Hazard classes

-

Packing group

-

IATA

Not Regulated

UN number

-

UN Proper Shipping Name -
Transportation Hazard classes -
Packing group -
IMDG
UN number Not regulated
UN Proper Shipping Name -
Transportation Hazard classes -
Packing group -
Environmental hazards
Marine pollutant

15. Regulatory information

U.S. Federal regulations **TSCA 8(a) PAIR:** Siloxanes and Silicones, di-Me, reaction products with silica
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): All components are listed or exempted.
Clean Water Act (CWA) 307: zinc sulphide
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) Not Listed
Clean Air Act Section 602 Class I Substances Not Listed
Clean Air Act Section 602 Class II Substances Not Listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ Not applicable.

SARA 311/312

Classification Immediate (acute) health hazard

Name	wt %	Fire Hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (Chronic) health hazard
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	10 – 30	No	No	No	Yes	No
2,4,6-tris(dimethylaminomethyl)phenol	1 – 5	No	No	No	Yes	No
crystalline silica non-respirable	0.1 - 1	No	No	No	No	Yes

Sara 313

	Product Name	CAS Number	Wt%
Form R- Reporting requirements	Zinc sulphide	1314-98-3	1-5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

US state regulations

Massachusetts

The following components are listed: soapstone, mineral wool fiber

New York

None of the components are listed

New Jersey

The following components are listed: soapstone; silica quartz, quartz (SiO₂); zinc compounds

Pennsylvania

The following components are listed: soapstone dust; quartz (SiO₂); zinc compounds

California Prop 65

This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. (Talc, not containing asbestiform fibers and crystalline silica, non-repirable)

International regulations

Country(s) or region	Inventory Name	On inventory list (yes/no)*
Canada	Domestic Substance List (DSL)	Yes
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA)	Yes

16. Other information, including date of preparation or last revision

Issue Date 11-May-2015

Revision Date -

Version # 01

HMIS Rating Health:
Flammability:

Disclaimer Physical Hazards:
HCC Holdings Inc. an Oatey Affiliate cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.