

Creation Date 05-Oct-2018
Date

Revision Date 22-Oct-2018

Version 2

1. IDENTIFICATION

Product Name PC 42 Cryogenic adhesive Part A

Synonyms Cryogenic Adhesive

Product Code OCPC00015

Description PC® 42 Cryogenic Adhesive Part A is one component of a three part cryogenic adhesive used as a cryogenic adhesive for FOAMGLAS® insulation systems.

Recommended Use Adhesives

Manufacturer Address Pittsburgh Corning, LLC, a subsidiary of Owens Corning
One Owens Corning Parkway
Toledo, Ohio 43659

Company Phone Number 1-800-327-6126 or 1-724-327-6100

24 Hour Emergency Phone Number Chemtrec 1-800-424-9300 or 1-703-741-5970 CCN17393

Emergency Telephone 1-419-248-5330 (after 5 pm ET and weekends)

E-mail address productcompliance@owenscorning.com

Company Website <http://foamglas.com/>

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2

Label elements

Warning

Hazard statements

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of causing genetic defects



ERG Code
Eyes

IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

Skin	present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF ON SKIN: Wash with plenty of soap and water Take off contaminated clothing and wash before reuse If skin irritation or rash occurs: Get medical advice/attention
Precautionary Statements - Prevention	Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Do not breathe dust Wash face, hands and any exposed skin thoroughly after handling
Precautionary Statements - Storage	Store locked up
Precautionary Statements - Disposal	Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)	Not applicable
Unknown acute toxicity	Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Components

Chemical name	CAS No	Weight-%	Trade Secret
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	75 - 80	*
Oxirane, [(2-methylphenoxy)methyl]-	2210-79-9	15 - 30	*

• *The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

Description of First Aid Measures

Eye contact	• Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician
Skin contact	• Wash with soap and water • In the case of skin irritation or allergic reactions see a physician
Inhalation	• Remove to fresh air
Ingestion	• Clean mouth with water and drink afterwards plenty of water
Note to physicians	• May cause sensitization by skin contact

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	• Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Unsuitable extinguishing media	• Caution: Use of water spray when fighting fire may be inefficient
Specific hazards arising from the chemical	• May cause sensitization by skin contact

Explosion data**Sensitivity to Mechanical Impact** • No**Sensitivity to Static Discharge** • No**Protective equipment and precautions for firefighters**

• As in any fire, wear self-contained breathing apparatus (positive-pressure), MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions**

- Ensure adequate ventilation, especially in confined areas
- Avoid contact with skin, eyes or clothing
- Use personal protective equipment as required

Environmental precautions

- See Section 12 for ecotoxicology additional information

Methods and material for containment and cleaning up**Methods for containment**

- Prevent further leakage or spillage if safe to do so
- Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

Methods for cleaning up

- Pick up and transfer to properly labeled containers

7. HANDLING AND STORAGE**Conditions for safe storage, including any incompatibilities****Storage Conditions**

- Keep container tightly closed in a dry and well-ventilated place
- Keep in properly labeled containers

Incompatible materials

- None known based on information supplied

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Engineering Controls

Showers
Eyewash stations
Ventilation systems

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

- Wear safety glasses with side shields (or goggles)

Skin and body protection

- Wear protective gloves

Respiratory protection

- If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

General Hygiene Considerations • Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Odor	Epoxy
Color	Black
Melting point / freezing point	
Boiling point / boiling range	
Flash point	195 °C / 383 °F
Water solubility	Insoluble in water
Autoignition temperature	
Specific Gravity	1.20 - 1.78
VOC:	4.02 g/L (0.04 lbs/gal)
Liquid Density	10.0 - 14.9 lbs/gal

10. STABILITY AND REACTIVITY

Reactivity	• No data available
Chemical stability	• Stable under recommended storage conditions
Possibility of Hazardous Reactions	• None under normal processing
Conditions to avoid	• Extremes of temperature and direct sunlight
Incompatible materials	• None known based on information supplied
Hazardous Decomposition Products	• None known based on information supplied

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known or supplied information
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Chemical name	Oral LD50	LD50/dermal/rat - NO UNITS (Wizards mg/kg)	Inhalation LC50
Oxirane, [(2-methylphenoxy)methyl]- 2210-79-9	= 4 g/kg (Rat)	-	= 6090 mg/m ³ (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	H315 - Causes skin irritation.
Serious eye damage/eye irritation	H319 - Causes serious eye irritation.
Irritation	Irritating to eyes and skin.
Corrosivity	Not applicable.
Sensitization	May cause sensitization by skin contact.
Germ cell mutagenicity	Contains a known or suspected mutagen.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Persistence and degradability	• No information available
Bioaccumulation	• No information available
Other adverse effects	• No information available

13. DISPOSAL CONSIDERATIONS

Disposal of wastes	• Disposal should be in accordance with applicable regional, national and local laws and regulations
Contaminated packaging	• Do not reuse container

14. TRANSPORT INFORMATION

DOT	Not regulated
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15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers 25085-99-8	X	X				X	X	X	X	X
Oxirane, [(2-methylphenoxy)methyl]- 2210-79-9	X	X		X		X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Creation Date	05-Oct-2018
Revision Date	22-Oct-2018
Revision Note	Update of document format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet