FOAMGLAS

SAFETY DATA SHEET

Revision Date 05-Nov-2018 **Version** 1

1. IDENTIFICATION

Product Name PITTSTOP 196 Vapor Stop Part A

Synonyms Cryogenic Coating

Product Code OCPC00031

Description PITTSTOP™ 196 Vapor Stop Part A is one component of a two part cryogenic adhesive/coating used as a cryogenic sealant and coating for FOAMGLAS® insulation systems

Recommended Use Adhesives Coating

UN-Number UN1133

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

Company Phone Number 1-800-GET-PINK or 1-800-438-7465
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://www.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 2A
Germ cell mutagenicity	Category 1A
Carcinogenicity	Category 1A
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

Label elements

Danger

Hazard statements
Causes skin irritation
Causes serious eye irritation
May cause genetic defects
May cause cancer
Suspected of damaging fertility or the unborn child
May cause respiratory irritation. May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Highly flammable liquid and vapor

ERG Code	IF exposed or concerned: Get medical advice/attention
Eyes	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 advice/attention
Skin	If skin irritation occurs: Get medical advice/attention IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician **DO NOT** induce vomiting
Fire	In case of fire: Use CO2, dry chemical, or foam for extinction
Precautionary Statements - Prevention	Obtain special instructions before use Do not handle until all safety precautions have been read and understood Wear eye/face protection Wear protective gloves and protective clothing Wash face, hands and any exposed skin thoroughly after handling Do not breathe dust Use only outdoors or in a well-ventilated area Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking Keep container tightly closed Ground and bond container and receiving equipment Use explosion-proof electrical/ventilating/lighting/equipment Use only non-sparking tools Take precautionary measures against static discharge
Precautionary Statements - Storage	Store locked up Store in a well-ventilated place. Keep container tightly closed
Precautionary Statements - Disposal	Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)	Not applicable
Unknown acute toxicity	No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture
Product Components

Chemical name	CAS No.	Weight-%	Trade Secret
Aromatic petroleum distillate	64742-95-6	15 -20	*
Toluene	108-88-3	10 -15	*
Benzene	71-43-2	< 0.2	*

• *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, also under the eyelids
• If eye irritation persists: Get medical advice/attention

Skin contact
• Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes
• If symptoms persist, call a physician

Inhalation
• Remove to fresh air
• If symptoms persist, call a physician
• Aspiration into lungs can produce severe lung damage

Ingestion
• Rinse mouth
• **DO NOT** induce vomiting
• Potential for aspiration if swallowed

Note to physicians
• Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable properties
• Flammable; may be ignited by heat, sparks or flames
• Flammable liquid

Suitable extinguishing media
• Carbon dioxide (CO2)
• Foam
• Dry chemical

Unsuitable extinguishing media
• Caution: Use of water spray when fighting fire may be inefficient

Specific hazards arising from the chemical
• Flammable

Explosion data
Sensitivity to Mechanical Impact • Stable
Sensitivity to Static Discharge • Stable

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
• Avoid contact with skin, eyes or clothing
• Use personal protective equipment as required
• Evacuate personnel to safe areas
• Remove all sources of ignition
• Ensure adequate ventilation, especially in confined areas

Environmental precautions
• See Section 12 for ecotoxicology additional information
• Prevent further leakage or spillage if safe to do so
• Prevent product from entering drains
• Do not flush into surface water or sanitary sewer system

Methods and material for containment and cleaning up

Methods for containment
- Dike for later disposal; do not apply water unless directed to do so
- Prevent further leakage or spillage if safe to do so
- Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal

Methods for cleaning up
- Dam up
- Soak up with inert absorbent material
- Pick up and transfer to properly labeled containers

7. HANDLING AND STORAGE

Technical measures
- Ensure adequate ventilation, especially in confined areas
- Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity)

Advice on safe handling
- Ensure adequate ventilation, especially in confined areas
- Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity)
- Take precautionary measures against static discharges
- Use spark-proof tools and explosion-proof equipment
- All equipment used when handling the product must be grounded

Conditions for safe storage, including any incompatibilities

Storage Conditions
- Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity)
- Keep in properly labeled containers
- Keep in a dry, cool and well-ventilated place

Incompatible materials
- Strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH REL
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 560 mg/m³
Benzene 71-43-2	STEL: 2.5 ppm TWA: 0.5 ppm S*	TWA: 10 ppm applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028 TWA: 1 ppm (vacated) TWA: 10 ppm unless specified in 1910.1028 (vacated) STEL: 50 ppm 10 min unless specified in 1910.1028 (vacated) Ceiling: 25 ppm unless specified in 1910.1028 Ceiling: 25 ppm STEL: 5 ppm see 29 CFR 1910.1028	IDLH: 500 ppm TWA: 0.1 ppm STEL: 1 ppm

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 and protective clothing

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	Aromatic Hydrocarbon
Color	Black
Melting point / freezing point	
Boiling point / boiling range	~ 110 °C / ~ 230 °F (initial)
Flash point	7 °C / 45 °F
Upper flammability limit:	9 %
Lower flammability limit:	1 %
Density VALUE	9.6 lbs/gal (Calculated)
Water solubility	Insoluble in water
Autoignition temperature	422 °C / 792 °F
Specific Gravity	1.15
VOC:	322 g/L (2.7 lbs/gal)
Percent Volatile by Volume:	25 - 30

10. STABILITY AND REACTIVITY

Reactivity • No known reactivity

Chemical stability • Stable under recommended storage conditions

Possibility of Hazardous Reactions • None under normal processing

Conditions to avoid • Heat, flames and sparks

Incompatible materials • Strong oxidizing agents

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

Chemical name	**Oral LD50**	**LD50/dermal/rat - NO UNITS (Wizards mg/kg)**	**Inhalation LC50**
Aromatic petroleum distillate	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h

64742-95-6			
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
Benzene 71-43-2	= 810 mg/kg (Rat)	> 8200 mg/kg (Rabbit)	= 44.66 mg/L (Rat) 4 h

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

Skin corrosion/irritation Irritating to skin.
Serious eye damage/eye irritation Irritating to eyes.
Irritation Irritating to eyes and skin.

Sensitization No information available.
Germ cell mutagenicity Contains a known or suspected mutagen.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3	-	Group 3	-	-
Benzene 71-43-2	A1	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)
A1 - Known Human Carcinogen
IARC (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 3 - Not classifiable as a human carcinogen
NTP (National Toxicology Program)
Known - Known Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive toxicity Contains a known or suspected reproductive toxin.
STOT - single exposure May cause drowsiness or dizziness.
STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard Risk of serious damage to the lungs (by aspiration). May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity • The environmental impact of this product has not been fully investigated

Chemical name	Algae/aquatic plants	Fish	Crustacea
Aromatic petroleum distillate 64742-95-6	-	9.22: 96 h Oncorhynchus mykiss mg/L LC50	6.14: 48 h Daphnia magna mg/L EC50
Toluene 108-88-3	433: 96 h Pseudokirchneriella subcapitata mg/L EC50 12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	15.22 - 19.05: 96 h Pimephales promelas mg/L LC50 flow-through 12.6: 96 h Pimephales promelas mg/L LC50 static 50.87 - 70.34: 96 h Poecilia reticulata mg/L LC50 static 54: 96 h Oryzias latipes mg/L LC50 static 28.2: 96 h Poecilia reticulata mg/L LC50 semi-static 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static 11.5: 48 h Daphnia magna mg/L EC50
Benzene 71-43-2	29: 72 h Pseudokirchneriella subcapitata mg/L EC50	10.7 - 14.7: 96 h Pimephales promelas mg/L LC50 flow-through 5.3: 96 h Oncorhynchus mykiss	8.76 - 15.6: 48 h Daphnia magna mg/L EC50 Static 10: 48 h Daphnia magna mg/L EC50

		mg/L LC50 flow-through 22.49: 96 h Lepomis macrochirus mg/L LC50 static 28.6: 96 h Poecilia reticulata mg/L LC50 static 22330 - 41160: 96 h Pimephales promelas µg/L LC50 static 70000 - 142000: 96 h Lepomis macrochirus µg/L LC50 static	

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

UN-Number	UN1133
Proper shipping name	ADHESIVES
Hazard Class	3
Packing Group	II
Special Provisions	149, B52, IB2, T4, TP1, TP8
Description	UN1133, ADHESIVES, 3, II
Emergency Response Guide Number	128

TDG

UN/ID no	UN1133
Proper shipping name	ADHESIVES
Hazard class	3
Packing Group	II
Description	UN1133, ADHESIVES, 3, II

ICAO (air)

UN-Number	UN1133
Proper shipping name	ADHESIVES
Hazard Class	3
Packing Group	II
Special Provisions	A3
Description	UN1133, ADHESIVES, 3, II
ERG Code	3L

IMDG

UN Number	UN1133
UN proper shipping name	ADHESIVES
Hazard Class	3
Packing Group	II
EmS No.	F-E, S-D
Description	UN1133, ADHESIVES, 3, II, (7°C C.C.)

RID

UN Number	UN1133
UN proper shipping name	ADHESIVES
Transport hazard class(es)	3
Packing Group	II
Classification code	F1
Description	UN1133, ADHESIVES, 3, II
Labels	3

ADR

UN-Number	UN1133
Proper Shipping Name	ADHESIVES
Hazard Class	3
Packing Group	II
Classification Code	F1
Tunnel Restriction Code	(D/E)
Special Provisions	640C
Description	UN1133, ADHESIVES, 3, II
ADR/RID-Labels	3

ADN

Proper Shipping Name	ADHESIVES
Hazard Class	3
Packing Group	II
Classification Code	F1
Special Provisions	640C
Description	UN1133, ADHESIVES, 3, II
Hazard Labels	3
Limited Quantity	5 L
Ventilation	VE01

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Aromatic petroleum distillate 64742-95-6	X	X		X			X	X	X	X
Toluene 108-88-3	X	X		X		X	X	X	X	X
Benzene 71-43-2	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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
Toluene - 108-88-3	1.0

Benzene - 71-43-2	0.1

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene 108-88-3	1000 lb	X	X	X
Benzene 71-43-2	10 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Toluene 108-88-3	1000 lb 1 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
Benzene 71-43-2	10 lb	-	RQ 10 lb final RQ RQ 4.54 kg final RQ

US State Regulations

California Proposition 65

Warning

This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Chemical name	California Proposition 65
Toluene 108-88-3	Developmental
Benzene 71-43-2	Carcinogen Developmental Male Reproductive

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Toluene 108-88-3	X	X	X
Benzene 71-43-2	X	X	X

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

Revision Date 05-Nov-2018
Revision Note Update of document format

Disclaimer

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use

End of Safety Data Sheet