SAFETY DATA SHEET

Creation Date No data available **Revision Date** 25-Oct-2018 **Version** 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name PITTSTOP 196 Vapor Stop Part A

Other means of identification

Product Code OCPC00031

UN/ID no. UN1133

Synonyms Cryogenic Coating

Recommended Use

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

Uses advised against No information available

Details of the supplier of the safety data sheet

Initial Supplier Identifier
Owens Corning Canada LP
3450 McNicoll Ave
Scarborough, Ontario
M1V 1Z5

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

Emergency telephone number

Initial supplier 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)

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
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

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray
Ground and bond container and receiving equipment
Use non-sparking tools
Take action to prevent static discharges
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Keep container tightly closed
Keep cool
Use explosion-proof electrical/ventilating/lighting/equipment

Precautionary Statements - Response
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 ON SKIN: Wash with plenty of water and soap
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]

Inhalation
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell

Ingestion
IF SWALLOWED: Immediately call a POISON CENTER or doctor
Do NOT induce vomiting

Fire
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

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

Other Information
Toxic to aquatic life with long lasting effects

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Synonyms Cryogenic Coating.

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
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

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

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.

Ingestion Rinse mouth. Do NOT induce vomiting. Potential for aspiration if swallowed.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

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 None.

Sensitivity to Static Discharge None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

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.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways.

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use spark-proof tools and explosion-proof equipment. Avoid contact with skin, eyes or clothing. Wear personal protective equipment/face protection. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits .

Chemical name	Alberta	British Columbia	Ontario TWA	Quebec
Toluene 108-88-3	TWA: 50 ppm TWA: 188 mg/m³ Skin	TWA: 20 ppm Adverse reproductive effect	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m³ Skin
Benzene 71-43-2	TWA: 0.5 ppm TWA: 1.6 mg/m³ STEL: 2.5 ppm STEL: 8 mg/m³ Skin	TWA: 0.5 ppm STEL: 2.5 ppm Skin	TWA: 0.5 ppm STEL: 2.5 ppm Skin	TWA: 1 ppm TWA: 3 mg/m³ STEL: 5 ppm STEL: 15.5 mg/m³

Appropriate engineering controls

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).

Hand protection Impervious gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	No information available
Color	Black
Odor	Aromatic Hydrocarbon
Odor threshold	No information available

Property	Values	Remarks • Method
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	~ 110 °C / 230 °F (initial)	None known
Flash point	7 °C / 45 °F	None known
Evaporation rate	Not applicable	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	9 %	
Lower flammability limit:	1 %	
Vapor pressure	No data available	None known
Density VALUE	9.6 lbs/gal (Calculated)	None known

Relative density	1.15	None known
Water solubility	Insoluble in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	422 °C / 792 °F	None known
Decomposition temperature	No data available	None known
Viscosity	Not determined	None known
Dynamic viscosity	No data available	
Explosive properties	No information available.	
Oxidizing properties	No information available.	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC:	322 g/L (2.7 lbs/gal)
Percent Volatile by Volume:	25 - 30
Liquid Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity No known reactivity.

Chemical stability Stable under normal 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

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Causes serious eye irritation.

Skin contact Causes skin irritation.

Ingestion Potential for aspiration if swallowed.

Information on toxicological effects

Symptoms No information available.

Numerical measures of toxicity

Acute toxicity

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

Chemical name	Oral LD50	LD50/dermal/rat - NO UNITS (Wizards mg/kg)	Inhalation LC50

Aromatic petroleum distillate 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
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.

Respiratory or skin sensitization May cause sensitization by skin contact.

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

Legend

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 to Carcinogenicity in Humans
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 damage to organs.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard May be harmful 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	Toxicity to microorganisms	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	EC50 = 19.7 mg/L 30 min	5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static 11.5: 48 h Daphnia magna mg/L EC50

		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		
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 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	-	8.76 - 15.6: 48 h Daphnia magna mg/L EC50 Static 10: 48 h Daphnia magna mg/L EC50

Persistence and degradability No information available.

Bioaccumulation

Chemical name	Partition coefficient
Toluene 108-88-3	2.7
Benzene 71-43-2	2.1

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

TDG

UN/ID no. UN1133
Proper shipping name ADHESIVES
Hazard class 3

Packing group	II
Description	UN1133, ADHESIVES, 3, II

DOT

UN/ID no.	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

ICAO (air)

UN/ID no.	UN1133
Proper shipping name	ADHESIVES
Hazard class	3
Packing group	II
Special Provisions	A3
Description	UN1133, ADHESIVES, 3, II

UN number	UN1133
Transport hazard class(es)	3
Packing group	II
ERG Code	3L

IMDG

UN number	UN1133
UN proper shipping name	ADHESIVES
Transport hazard class(es)	3
Packing group	II
EmS-No.	F-E, S-D
Description	UN1133, ADHESIVES, 3, II1 ADHESIVESUN1133, ADHESIVES, 3, II2

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

TSCA	Complies
DSL/NDSL	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

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

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

NFPA	**Health hazards** 1	**Flammability** 3	**Instability** 0	**Physical and chemical properties** -
HMIS	**Health hazards** 1*	**Flammability** 3	**Physical hazards** 0	**Personal protection** X

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Revision Date 25-Oct-2018

Revision Note Update of document format.

Disclaimer

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End of Safety Data Sheet