SAFETY DATA SHEET

1. Identification

Product identifier	**PVC TRUSS & SOLID WALL PIPE**
Other means of identification	
SDS number	5
Product code	370, 371, 372
Recommended use	Industrial use.
Recommended restrictions	None known.

Manufacturer / Importer / Supplier / Distributor information

Company name	Contech Engineered Solutions, LLC
Address	9025 Centre Pointe Drive West Chester, Ohio 45069, United States
Contact person	Dan Moody
Telephone number	513-645-7055
E-mail	dmoody@conteches.com
Emergency telephone number	1-800-255-3924

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	None.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	Not classified.

3. Composition/information on ingredients

Substances

Chemical name	Common name and synonyms	CAS number	%
Polyvinyl chloride		9002-86-2	15 - 100

Polyvinyl chloride: Contains: Vinyl chloride (CAS number 75-01-4) 1-10 ppm.

Composition comments	All concentrations are in percent by weight. For more detailed chemical composition, refer to the certificate of analysis.

4. First-aid measures

Inhalation	If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Not relevant, due to the form of the product.
Eye contact	Not likely, due to the form of the product.
Ingestion	Not likely, due to the form of the product.
Most important symptoms/effects, acute and delayed	Molten material will produce thermal burns.

Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Get medical attention if any discomfort develops.

5. Fire-fighting measures

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media	No restrictions known.
Specific hazards arising from the chemical	Carbon oxides. Hydrogen chloride.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Avoid inhalation of dust. Avoid inhalation of fumes from molten product.
Methods and materials for containment and cleaning up	Where possible allow molten material to solidify naturally. Collect spillage.
Environmental precautions	No special environmental precautions required.

7. Handling and storage

Precautions for safe handling	Avoid inhalation of dust. Avoid contact with molten material. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
Polyvinyl chloride (CAS 9002-86-2)	STEL	5 ppm
	TWA	1 ppm
Additional components	**Type**	**Value**
Vinyl chloride (CAS 75-01-4)	STEL	5 ppm
	TWA	1 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Polyvinyl chloride (CAS 9002-86-2)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Polyvinyl chloride (CAS 9002-86-2)	TWA	1 mg/m3	Respirable fraction.
Additional components	**Type**	**Value**	
Vinyl chloride (CAS 75-01-4)	TWA	1 ppm	

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines

US - California OELs: Skin designation

Vinyl chloride (CAS 75-01-4) Can be absorbed through the skin.

US OSHA Specifically Regulated Substances: Skin designation

Polyvinyl chloride (CAS 9002-86-2) Can be absorbed through the skin.
Vinyl chloride (CAS 75-01-4) Can be absorbed through the skin.

Appropriate engineering controls	Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear a face shield when working with molten material.
Skin protection	
Hand protection	Wear suitable protective gloves to prevent cuts and abrasions. When handling hot material, use heat resistant gloves. Suitable gloves can be recommended by the glove supplier.
Other	No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact. For molten product, use any type rubber thermal insulating gloves and other clothing as necessary to protect from thermal burns.
Respiratory protection	Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Seek advice from local supervisor.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance	
Physical state	Solid.
Form	Pipe.
Color	White.
Odor	Odorless.
Odor threshold	Not applicable.
pH	Not applicable.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not available.
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 applicable.
Vapor density	Not applicable.
Relative density	Not applicable.
Solubility(ies)	Insoluble in water.
Partition coefficient (n-octanol/water)	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Viscosity	Not applicable.

10. Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.

Hazardous decomposition products	Carbon oxides. Hydrogen chloride.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Not relevant, due to the form of the product.
Inhalation	Dust and fumes generated from the material can enter the body by inhalation. Dust may irritate respiratory system. When heated, the vapors/fumes given off may cause respiratory tract irritation.
Skin contact	Not relevant, due to the form of the product. Molten material will produce thermal burns.
Eye contact	Not relevant, due to the form of the product.
Symptoms related to the physical, chemical and toxicological characteristics	Contact with molten material may cause thermal burns.

Information on toxicological effects

Acute toxicity	Under normal conditions of intended use, this material does not pose a risk to health.
Skin corrosion/irritation	Not classified.
Serious eye damage/eye irritation	Not classified.
Respiratory sensitization	Not classified.
Skin sensitization	Not a skin sensitizer.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.

IARC Monographs. Overall Evaluation of Carcinogenicity

Polyvinyl chloride (CAS 9002-86-2)	3 Not classifiable as to carcinogenicity to humans.
Vinyl chloride (CAS 75-01-4)	1 Carcinogenic to humans.

NTP Report on Carcinogens

Vinyl chloride (CAS 75-01-4)	Known To Be Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Polyvinyl chloride (CAS 9002-86-2)	Cancer
Vinyl chloride (CAS 75-01-4)	Cancer

Reproductive toxicity	Not classified.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not classified.
Chronic effects	No specific chronic health impact noted.

12. Ecological information

Ecotoxicity	The product is not expected to be hazardous to the environment.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

13. Disposal considerations

Disposal instructions	Dispose of waste and residues in accordance with local authority requirements.
Hazardous waste code	Not regulated.

US RCRA Hazardous Waste U List: Reference

Vinyl chloride (CAS 75-01-4)	U043

Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	No special precautions.

14. Transport information

DOT

Not regulated as a hazardous material by DOT.

IATA

Not regulated as a dangerous good.

IMDG

Not regulated as a dangerous good.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations Under some use conditions, this material may be considered to be hazardous in accordance with OSHA 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Polyvinyl chloride (CAS 9002-86-2)	Cancer
Vinyl chloride (CAS 75-01-4)	Cancer
Polyvinyl chloride (CAS 9002-86-2)	Central nervous system
Vinyl chloride (CAS 75-01-4)	Central nervous system
Polyvinyl chloride (CAS 9002-86-2)	Liver
Vinyl chloride (CAS 75-01-4)	Liver
Polyvinyl chloride (CAS 9002-86-2)	Blood
Vinyl chloride (CAS 75-01-4)	Blood
Polyvinyl chloride (CAS 9002-86-2)	Flammability
Vinyl chloride (CAS 75-01-4)	Flammability

CERCLA Hazardous Substance List (40 CFR 302.4)

Vinyl chloride (CAS 75-01-4)	LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely hazardous substance	No
SARA 311/312 Hazardous chemical	No

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Vinyl chloride (CAS 75-01-4)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Vinyl chloride (CAS 75-01-4)

Safe Drinking Water Act (SDWA)	Not regulated.
Food and Drug Administration (FDA)	Not regulated.

US state regulations WARNING: This product contains a chemical known to the State of California to cause cancer.

US. Massachusetts RTK - Substance List

Vinyl chloride (CAS 75-01-4)

US. New Jersey Worker and Community Right-to-Know Act

Polyvinyl chloride (CAS 9002-86-2)	500 lbs
Vinyl chloride (CAS 75-01-4)	500 lbs

US. Pennsylvania RTK - Hazardous Substances

Vinyl chloride (CAS 75-01-4)

US. Rhode Island RTK

Vinyl chloride (CAS 75-01-4)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Vinyl chloride (CAS 75-01-4)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

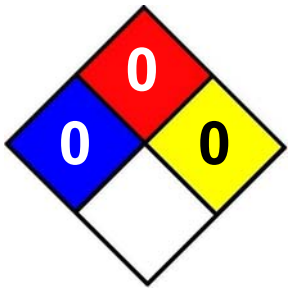
Issue date 08-August-2013

Revision date -

Version # 01

Further information NFPA Ratings: Health: 0. Flammability: 0. Physical hazard: 0.
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

NFPA Ratings



List of abbreviations NFPA: National Fire Protection Association.

Disclaimer This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.