

# SAFETY DATA SHEET

#### 1. Identification

Product identifier A 2000, A2 PVC Plastic Pipe

Other means of identification

SDS number 3

Product code 360,380,384,395

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 personDan MoodyTelephone number513-645-7055

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 symbolNone.Signal wordNone.Hazard statementNone.

**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	99

**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** No specific first aid measures noted. In case of inhalation of fumes from heated product: Move to

fresh air. Get medical attention if any discomfort continues.

Skin contact Not relevant, due to the form of the product. Cool skin rapidly with cold water after contact with

molten polymer. Get immediate medical attention.

**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

No specific symptoms noted. Molten material will produce thermal burns.

Indication of immediate medical attention and special

Treat symptomatically.

treatment needed

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**General information** Get medical attention if any discomfort develops.

No restrictions known.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Specific hazards arising from

the chemical

Special protective equipment

Carbon oxides. Hydrogen chloride. Formaldehyde.

Water spray, foam, dry powder or carbon dioxide.

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

The intended use of this product does not include its milling, grinding or saw cutting. 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 The intended use of this product does not include its milling, grinding or saw cutting. Avoid contact

with molten material. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in appropriate chemical storage area. 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	

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

Components	Туре	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	Туре	Value	Form
Polyvinyl chloride (CAS	TWA	1 mg/m3	Respirable fraction.
9002-86-2)			

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

**Exposure guidelines** 

### US OSHA Specifically Regulated Substances: Skin designation

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

Appropriate engineering controls

Adequate ventilation should be provided whenever the material is heated or mists are generated.

#### Individual protection measures, such as personal protective equipment

Eye/face protection Wear a face shield when working with molten material.

Skin protection

Hand protection 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 No special precautions.

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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** Solid.

Color White. Green. Odor Odorless **Odor threshold** Not applicable. pН Not applicable. Not available. Melting point/freezing point

Initial boiling point and boiling

range

Not available.

Not available. Flash point **Evaporation rate** Not applicable. Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

(%)

Not available.

Not available. Explosive limit - lower (%) Not available. Explosive limit - upper (%)

Vapor pressure Not applicable. Vapor density Not applicable.

Relative density 1.4

Insoluble in water. Solubility(ies) Partition coefficient Not applicable.

(n-octanol/water)

Auto-ignition temperature

850 °F (454.44 °C)

**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. Formaldehyde.

## 11. Toxicological information

### Information on likely routes of exposure

Ingestion Not relevant, due to the form of the product.

Inhalation Not relevant at normal room temperatures. When heated, harmful vapors may be formed. 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

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Under normal conditions of intended use, this material does not pose a risk to health. **Acute toxicity** 

Skin corrosion/irritation Serious eye damage/eye

Not classified. Not classified.

irritation

Respiratory sensitization Not classified.

Skin sensitization Not a skin sensitizer.

Germ cell mutagenicity Not classified.

Not relevant, due to the form of the product. Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Polyvinyl chloride (CAS 9002-86-2) 3 Not classifiable as to carcinogenicity to humans.

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

Polyvinyl chloride (CAS 9002-86-2) Cancer Not classified.

Reproductive toxicity Specific target organ toxicity -

Not classified.

single exposure

Specific target organ toxicity -

Not classified.

repeated exposure

Not classified. **Aspiration hazard** 

**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 Not relevant, due to the form of the product. Bioaccumulative potential Not relevant, due to the form of the product. Mobility in soil Not relevant, due to the form of the product. Other adverse effects Not relevant, due to the form of the product.

Not regulated.

13. Disposal considerations

**Disposal instructions** Dispose of waste and residues in accordance with local authority requirements.

Hazardous waste code

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** 

the IBC Code

Not regulated as a dangerous good.

Transport in bulk according to

Annex II of MARPOL 73/78 and

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

Central nervous system

Liver Blood Flammability

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

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## Superfund Amendments and Reauthorization Act of 1986 (SARA)

No

Hazard categories Immediate Hazard - No

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely

hazardous substance

SARA 311/312 Hazardous No

chemical

#### Other federal regulations

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

Not regulated.

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

Not regulated.

**Safe Drinking Water Act** 

(SDWA)

Not regulated.

Food and Drug

Not regulated.

Administration (FDA)

**US state regulations**This product does not contain a chemical known to the State of California to cause cancer, birth

defects or other reproductive harm.

#### **US. Massachusetts RTK - Substance List**

Not regulated.

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

Polyvinyl chloride (CAS 9002-86-2) 500 lbs

Inventory name

## US. Pennsylvania RTK - Hazardous Substances

Not regulated.

#### **US. Rhode Island RTK**

Not regulated.

### **US. California Proposition 65**

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

Not listed.

### **International Inventories**

Country(s) or region

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	Yes

<sup>\*</sup>A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

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

Issue date 31-July-2013

Revision date - 01

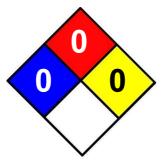
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On inventory (yes/no)\*

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).

# **NFPA Ratings**



Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

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