SAFETY DATA SHEET

PVC PIPE AND MOULDED FITTINGS

Date of issure: 3/1/2022

Section 1: Identification of Product and Supplier

Product Name

Trade Names: ERA

Other names and variants: PVC pipe and moulded fittings, unplasticised PVC, unmodified PVC(UPVC, uPVC, PVC-U).

Product Use

Pipes and fittings for water supply

Supplier

ERA CO., LTD.
No 2 Daixi Road, Huangyan Economic Development Zone,
Taizhou, Zhejiang
China
Telephone Number +86 576 84277167
Facsimile Number +86 576 84277171

Further Information Available From:

National Process Manager, Johnson Mobile: +86 15267689286

Emergency (24 Hours)

National Process Manager, Johnson Mobile: +86 15267689286

Section 2: Hazards Identification

Statement of Hazardous Nature

NON-HAZARDOUS PRODUCT NON-DANGEROUS GOODS
According to NOHSC criteria and ADG Code

Position Schedule

Not listed

Hazard Statement

None required.

Precautionary Statements

None required.

Other Hazards

Refer to Section 7 Handling and Storage for general precautions for use.

Section 3： Composition / Information on Ingredients

Chemical Composition

CAS Number	Chemical Name/s	Proportion
9002-86-2	Poly (vinyl chloride) polymer	＞90%
471-34-1	Calcium carbonate	＜3%
	Modifiers(Chlorinated PE, & Acrylics)	＜2%
	Stabiliser & lubricants	＜3%
13463-67-7	titanium dioxide	＜2%

Section 4: First-Aid Measure

Swallowed

There are no known health effects for the ingestion of PVC. Ingestion is unlikely to occur due to the physical size and dimensions of the products. However, small particles may be generated by sawing or mechanically breaking the products or similar means.

Eye

Inapplicable to the solid product except for mechanical injury. Dust/ small particles from sawing or other mechanical process may affects eyes if not protected. Hydrochloric acid and other fumes emitted during combustion can cause irritation to the eyes. Flush with copious quantities of water and treat symptomatically.

Skin

Inapplicable to the solid product except for mechanical injury. Dust/small particles from sawing or other mechanical process may affect eyes if not protected. There have not been reports of Irritation arising from such dust and small particles. Hydrochloric acid and other fumes emitted during combustion can cause irritation to the skin. Flush with copious quantities of water and treat symptomatically.

Inhaled

Inapplicable to the solid product due to the physical size and dimensions of the products. For inhalation of fumes and gaseous by-products (hydrochloric acid, carbon monoxide etc), remove the patient immediately from exposure and seek medical advice.

Notes to Physician

Treat symptomatically.

Section 5: Fire-fighting Measures

Extinguishing Media

Water, water-fog or foam to extinguish fire. Carbon dioxide or dry chemical are suitable but are considered not as efficient due to lack of cooling capacity.

Fire Fighting

Wear fully protective body suit with self-contained breathing apparatus (S.C.B.A.) to prevent contact with fumes and gases produced during combustion.

Fire/Explosion Hazard

Combustible, self-extinguishing. Not an explosion risk. If forced to burn, it will emit dense acrid fumes containing hydrochloric acid (highly acidic and severe irritant), carbon dioxide (asphyxiant), carbon monoxide (toxic) and possibly phosgene (toxic). All are potentially lethal in sustained exposure.

Fire Incompatibility

Oxidising agents.

HAZCHEM Code

Does not meet the criteria for classification.

Personal Protection

Wear fully protective body suit with self-contained breathing apparatus (S.C.B.A.) to prevent contact with fumes and gases produced during combustion and appropriate gloves and footwear.

Section 6: Accidental Release Measures

Minor Spills

Collect products and bundle or secure safely. If necessary, isolate area to prevent damage to /destruction of products by vehicles etc. Broken parts may be sharp and eye protection and gloves are recommended.

Major Spills

Isolate area as necessary to prevent further damage. Collect products and bundle or secure safely. Broken product and parts may have sharp edges and eye protection and gloves are recommended.

Section 7: Handling and Storage

Procedure for Handling

Check security of bundles of pipes before releasing strapping and retaining frames. Injury can be sustained by rolling of pipes. Unpack crates and bundles on a flat surface and ensure that free stacks are adequately chocked. Do not climb on stacks.

Normal safe practices should be employed when working with the material; a well ventilated area and the use of eye and protection, dust masks and gloves are recommended when sawing, grinding (with abrasive wheel) and handling. When heating for bending or other forming, use hot water or air with appropriate safeguards. Use of an open flame is inadvisable.

Storage

Store in appropriate areas (outside or in warehouse) in accordance with site safety requirements. Do not store with oxidising agents.

Section 8: Exposure Controls / Personal Protection

posure Controls

No exposure controls are necessary as products are inert and all additives are encapsulated within the polymer matrix and present no hazard under conditions of normal use and good

occupational work practice.

Personal Protection

Eye Glasses

Glasses are recommended in case of accidental knock when handling pipe and especially when working pipes mechanically, sawing etc.

Hands/Feet

Safety footwear and gloves.

Other

Engineering Controls

Appropriate controls for safe working when handling and mechanically working e.g. sawing.

Section 9: Physical and Chemical Properties

Appearance

Opaque rigid solid pipes with diameters ranging from 40mm to 200 mm with lengths up to 6.0 metres. Colour of pipe varies depending upon application e.g. white and grey. Usually is grey. The pipe can be with or without jointing sockets.Products are also various fitting to match e.g. tees, bends reducers, couplings etc.

Odour:	Nil
pH:	Nil effect, insoluble
Melting point	Softens at ⩾74℃
Initial boiling point and range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability	Will burn in contact with flame
Upper/lower flammability	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	1.35 – 1.45
Solubility	insoluble in water
Partition coefficient: octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	starts at 140$_0$C but is time dependent
Viscosity	Not applicable

Section 10: Chemical Stability and Reactivity

Stable under normal conditions of storage and use.

Incompatible materials

Do not store with oxidising agents.

Hazardous decomposition products

Product will start to decompose if maintained at temperatures of >140$_0$C.
Decomposition products are hydrochloric acid, carbon dioxide, carbon monoxides and possibly phosgene.

Section 11: Toxicological Information

LD_{50} Value Not applicable

The products are inert and insoluble and consist of a fused polymer matrix which also encapsulates all additives.

Section 12: Ecological Information

Ecotoxicity

No adverse effects on environment have been reported. The product can be physically removed from waterways by means appropriate to the size of the article. It is recommended that local environmental agencies are notified.

Section 13: Disposal Considerations

Recycle where possible.
Refer to state/territory environmental protection agency/ authority. Normally suitable for disposal as general waste land fill.

Section 14: Transport Information

Land Transport (Road/Rail)

Not classified as a dangerous goods.

Marine Transport

Not classified as a dangerous goods.

Air Transport

Not classified as a dangerous goods.

Section 15: Regulatory Information

There is no safety, health or environmental regulations specific to these products.

Section 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.