MATERIAL SAFETY DATA SHEET

Polyvinyl Chloride

Product	Polyvinyl Chloride
Chemical Formula	$(C_2H_3Cl)n$
Cas No	9002-86-2
Print Date	May 10th, 2020

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SECTION 1 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY	
SHANGHAI CHEMDO TRADING CO., LTD	
CHEMDO GROUP COMPANY LIMITED	
ADD	ROOM 611, BUILDING 1, NO 159 RENQI ROAD, FENGXIAN, SHANGHAI,CHINA, 201499
EMERGENCY TEL	0086-21-37521510
SYNONYMS	PVC RESIN (ALL GRADES)
PRODUCT USE	Vinyl fabrication

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS	
COMPONENT	Polyvinyl Chloride
CAS NUMBER	9002-86-2
PERCENTAGE	99-100

SECTION 3 HAZARDS INDENTIFICATION	
POTENTIAL HEALTH EFFECTS	
INHALATION	
SHORT TERM EXPOSURE	irritation
LONG TERM EXPOSURE	to our knowledge, no effects are known
SKIN CONTACT	
SHORT TERM EXPOSURE	mechanical irritation
LONG TERM EXPOSURE	to our knowledge, no effects are known
INGESTION	
SHORT TERM EXPOSURE	to our knowledge, no effects are known
LONG TERM EXPOSURE	

SECTION 4 FIRST AID MEASURES	
INHALATION	If adverse effects occur, remove to uncontaminated area. IF IRRITATION OCCURS,GET MEDICAL ATTENTION.
SKIN CONTACT	Wash contaminated areas with soap and water . IF IRRITATIONOCCURS, GET MEDICAL ATTENTION.
EYE CONTACT	Flush eyes with plenty of water for at least 15 minutes. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
INGESTION	No hazard expected. IF LARGE AMOUNTS ARE INGESTED,GET MEDICAL ATTENTION

SECTION 5 FIRE FIGHTING MEASURES	
FIRE AND EXPLOSION HAZARDS	Slight fire hazard. Although unlikely, dust/air mixtures may explode
EXTINGUISHING MEDIA	Use extinguishing agents appropriate for surrounding fire.
FIRE FIGHTING	Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Wear an approved positive-pressure self-contained breathing apparatus.
Cool extinguished material to prevent decomposition	
SENSITIVITY TO MECHANICAL IMPACT	SENSITIVITY TO MECHANICAL IMPACT
SENSITIVITY TO STATIC DISCHARGE	Electrostatic charges may build up during handing.
HAZARDOUS COMBUSTION PRODUCTS	
Thermal decomposition products or combustion	hydrochloric acid, oxides of carbon, small amounts of benzene and aromatic and aliphatic hydrocarbons.

SECTION 6 ACCIDETAL RELEASE MEASURES
OCCUPATIONAL RELEASE
Eliminate all sources of ignition. To minimize dust, vacuum cleaning is preferred. Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies.

SECTION 7 HANDLING AND STORAGE	
STORAGE	Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Store in a cool, dry place. Store in a well-ventilated area. Avoid heat, flames, sparks and other sources of ignition. Earthling of equipment is recommended.
HANDLING	Use methods to minimize dust. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. PVC resin processing may in the release of low levels of vinyl chloride.
Use only with adequate ventilation.	

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
EXPOSURE LIMITS	
PVC SUSPENSION RESIN (ALL GRADES)	
Nuisance particulates (Nuisance dust)	
10 mg/m3 (inhalable particulate)	
VENTILATION	Provide local exhaust ventilation where dust or fumes may be generated. Ensure compliance with applicable exposure limits.
EYE PROTECTION	Wear safely glasses with side shields. An emergency eye wash fountain may be provided.
CLOTHING	Wear suitable protective clothing.
GLOVES	Wear suitable gloves.
PROTECTIVE MATERIAL TYPES	canvas, cotton, latex, leather, polyvinyl chloride (PVC).
RESPIRATOR	When there is no possibility of vinyl chloride vapors, and FOR NUISANCE DUST ONLY, an air purifying respirator may be appropriate.
An approved respirator with appropriate (dust, fume, mist) filters may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure	

A half face piece air-purifying respirator may be used in concentrations up to 10X the acceptable exposure level and a full face piece air-purifying respirator may be used in concentrations up to 50X the acceptable exposure level.
Supplied air should be used when the level is expected to be above 50X the acceptable level, or when there is a potential for uncontrolled release.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	solid
COLOUR	white
PHYSICAL FORM	powder, granules
ODOUR	Not available
MOLECULAR FORMULA	(C2H3Cl)n
BOILING POINT	Not applicable
MELTING POINT	Not available
FLASH POINT	736F(391C)
AUTOIGNITION	849F(454C)
VAPOUR PRESURE	Not applicable
VAPOUR DENSITY	Not applicable
SPECIFIC GRAVITY(water=1)	1.4
DENSITY	1.4g/mL
WATER SOLUBILITY	negligible
PH	Not applicable
VOLATILITY	Not applicable
ODOUR THRESHOLD	Not available
EVA[PRATION RATE	Not applicable
COEFFICIENT OF WATER/OIL DISTRIBUTION	Not available

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY	Stable at normal temperatures and pressure.
CONDITIONS TO AVOID	Avoid heat, flames, sparks and other sources of ignition.
INCOMPATIBILITIES	None known.
HAZARDOUS DECOMPOSITION	
Thermal decomposition products or combustion: hydrochloric acid, oxides of carbon, small amounts of benzene and aromatic aliphatic hydrocarbons.	
POLYMERISATION	PVC is a stable polymer material and will not further polymerize. This material will not depolymerise to form VCM.

SECTION 11 TOXICOLOGICAL INFORMATION

PVC RESIN (ALL GRADES)	
TOXICITY DATA	Vinyl chloride monomer(VCM) is unlikely to be present at levels that may produce a biological effect. This material is practically non-toxic by the oral route. This material is unlikely to cause chemical skin irritation. Mechanical irritation may occur. Eye irritation may occur from the mechanical action of lodged particles.

SECTION 12 ECOLONGICAL INFORMATION	
ECOTOXICITY	
FISH TOXICITY	No data available. This material is believed to be practically non-toxic to aquatic life.
FATE AND TRANSPORT	
BIODEGRANDATION	PVC will not biodegrade. Vinyl chloride may degrade under anaerobic conditions.
PERSISTENCE	This material will persist in the environment.
BIOCONCENTRATION	This material will not bioaccumulate.
OTHER ECOLOGICAL INFORMATION	This material is believed to be practically non-toxic to terrestrial organisms.

SECTION 13 DISPOSAL COMSIDERATIONS
Reuse or reprocess if possible. Dispose in accordance with all applicable regulation.

SECTION 14 TRANSPORT INFORMATION	
LAND TRANSPORT ADR	Not regulated
LAND TRANSPORT RID	Not regulated
MARITIME TRANSPORT IMDG	MARITIME TRANSPORT IMDG

SECTION 15 REGULATORY INFORMATION	
CLASSIFICATION UNDER HAZARD TO WATER	0

SECTION 16 OTHER INFORMATION	
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