SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH)
& COMMISSION REGULATION (EU) 2015/830

Version 1 **Issue Date** 28-Dec-2015
Product Name PVC Raw Material (Liquid or Powder or Solid) **Revision date** 28-Dec-2015

SECTION 1: Identification of the substance /mixture and of the company/undertaking

1.1. Product identifier

Product Name	PVC Raw Material (Liquid or Powder or Solid)
REACH registration number	No information available

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use	Widely used for producing plastic caps, protective covers, insulated boots and protectors .insulators and handle grips, etc.
Uses advised against	No information available

1.3. Details of the supplier of the safety data sheet

Supplier	YUEQING RHI ELECTRIC CO.,LTD.
Address	Bailuyu, Beibaixiang Town, Yueqing, Zhejiang, China
Postal Code	325603
Phone	+86-577-21888777; +86-577-21888733
FAX	+86-577-21888755
E-mail	rhi@cnrhi.com ; s5@cnrhi.com

1.4. Emergency telephone number

+86-577-21888733; 15805772573

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2. Label elements

Symbols/Pictograms	None
Signal word	None
Hazard Statements	Not applicable
Precautionary Statements	Not applicable
EU Specific Hazard Statements	None

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Mixture

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Polyvinyl chloride	420-490-3	9002-86-2	51.07	Not classified
1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	229-176-9	6422-86-2	22.98	Not classified
Filler Pigment	-	-	20.40	Not classified
Stabilizer	-	-	3.06	Not classified
Expoxtdized soybean	-	-	1.02	Not classified
Antiflame	-	-	1.02	Not classified
Lubricant	-	-	0.42	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

No hazards which require special first aid measures. Immediate medical attention is not required.

Inhalation

Not an expected route of exposure. Immediate medical attention is not required.

Skin Contact

Wash off with water. If skin irritation persists, call a physician.

Eye contact

Not an expected route of exposure. Immediate medical attention is not required.

Ingestion

Not an expected route of exposure. If ingested by mistake, get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media — Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media — No information available.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors, such as carbon oxides, chlorides, hydrogen chloride.

5.3. Advice for firefighters

Evacuate personnel to safe areas. Move containers from fire area if you can do it without risk. Cool drums with water spray. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Stay upwind. Ensure adequate ventilation, especially in confined areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling.

6.2. Environmental precautions

Local authorities should be advised if significant spillages cannot be contained. Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

6.4. Reference to other sections

See Section 7 for more information
See section 8 for more information
See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. Store in accordance with the particular national regulations.

7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	Australia	Austria	Belgium	Denmark	European Union
Polyvinyl chloride (CAS #: 9002-86-2)	-	STEL 10 mg/m^3 TWA: 5 mg/m^3	-	-	-

Chemical Name	Latvia	France	Finland	Germany	Italy
Polyvinyl chloride (CAS #: 9002-86-2)		-	TWA: 1 mg/m^3	TWA: 1.5 mg/m^3	-

Chemical Name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH
Polyvinyl chloride (CAS #: 9002-86-2)	-	-	TWA: 1 mg/m^3 respirable fraction	-	-

Derived No Effect Level (DNEL)
No information available

Predicted No Effect Concentration (PNEC)
No information available

8.2. Exposure controls

Engineering Controls
Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition.

Personal protective equipment

Eye/face protection	Avoid contact with eyes.
Hand Protection	Wear protective gloves.
Skin and body protection	No special technical protective measures are necessary.
Respiratory protection	Ensure adequate ventilation, especially in confined areas.

Environmental exposure controls
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Color	Black, red, blue, white, green, yellow, gray, orange, brown, transparent, etc.

Odor	Odorless
Odor Threshold	Not determined
pH	Not determined
Melting point/freezing point	Not determined
Boiling point / boiling range	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flammability	Not flammable
Flammability Limit in Air	Not determined
Vapor Pressure	Not applicable
Vapor density	Not determined
Density	Not determined
Relative density	Not determined
Bulk density	Not determined
Specific gravity	Not determined
Water solubility	Practically insoluble (Polyvinyl chloride)
Partition coefficient (LogPow)	Not determined
Autoignition temperature	600 °C (Polyvinyl chloride)
Decomposition temperature	180 °C (Polyvinyl chloride)
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

9.2. Other information
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
None under normal processing.

10.4. Conditions to avoid
Heat, flames and sparks. Incompatible materials.

10.5. Incompatible materials
Fluorine.

10.6. Hazardous decomposition products
Carbon oxides, chlorides, hydrogen chloride. .

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS #: 6422-86-2)	> 5000 mg/kg bw (Rat)	> 20 mL/kg bw (Guinea pig)	-

Skin corrosion/irritation
Non-irritating to the skin.

Serious eye damage/eye irritation
No eye irritation.

Sensitization
No sensitization responses were observed.

Germ cell mutagenicity
No information available.

Carcinogenicity

Chemical Name	European Union	IARC
Polyvinyl chloride (CAS #: 9002-86-2)	-	Group 3

Reproductive toxicity
No information available.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Aspiration hazard
No information available.

SECTION 12: Ecological information

12.1. Toxicity

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS #: 6422-86-2)	> 0.86 mg/L : 72 h Selenastrum capricornutum	> 984 mg/L : 96 h Pimephales promelas	> 624 µg/L : 96 h Crassotrea virginica

12.2. Persistence and degradability
No information available.

12.3. Bioaccumulative potential
No information available.

12.4. Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment
PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste from residues/unused products: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

14.1 UN Number	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazards	Non-marine pollutant
14.6 Special precautions	No information available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

SECTION 15: Regulatory information

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

European Union

Component	EINECS/ELINCS	SVHC candidates	RESTRICTIONS - REACH TITLE VIII
Polyvinyl chloride 9002-86-2 (51.07%)	X	-	-
1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester 6422-86-2 (22.98%)	X	-	-

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Take note of Directive 94/33/EC on the protection of young people at work
Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

Component	TSCA	DSL/NDSL	ENCS	IECSC	KECL	PICCS	AICS
Polyvinyl chloride 9002-86-2 (51.07%)	X	X	X	X	X	X	X
1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester 6422-86-2 (22.98%)	X	X	X	X	X	X	X

"-" Not Listed
"X" Listed

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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Revision Note Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

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

Full text of H-Statements referred to under section 3

Not classified

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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