



SAFETY DATA SHEET PVC RESINS

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Identification of the substance

PVC resin VICIR

Company

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2 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation

Chemical name: Polyvinyl chloride (PVC)
CAS Nr.: 9002-86-2
Concentration (wt%): > 99%

3 HAZARDS IDENTIFICATION

No human health and environmental effects

4 FIRST-AID MEASURES

Eye contact

Flush with plenty of water at least for 10 minutes

5 FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray, dry chemical, foam, carbon dioxide

Risk of exposure arising from the substance or combustion vapour

Hazard combustion products: Hydrochloric acid (CAS N.: 7647-01-0)

Fire-fighting protective equipment

Use personal respiratory equipment
Use protective clothing against chemical products

6 ACCIDENTAL RELEASE MEASURES

Personal precautions

No special measures required, beyond those described in sections 7 and 8

Environmental precautions

Clean the area

Methods for cleaning up

Collect the spilled product preferably by vacuum cleaning, and dispose in containers. Keep containers tightly closed and labelled

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7 HANDLING AND STORAGE

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Handling

Avoid generation and accumulation of dusts, keeping clean the working area. If possible use local exhaust extraction over processing area

Take precautions against static discharge

Storage

Avoid generation and accumulation of dusts, keeping clean and well ventilated the storage area

Storage under covered area

Other precautions

Avoid temperatures above the decomposition temperature (see section 9)

Avoid naked flames and sparks

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

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Technical preventive measures

Use local exhaust ventilation

Specific control parameters

Substance	CAS N.º	TLV	TWA
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Personal protection equipment

If the legal limit values cannot be assured, wear mask P2

Hand protection

Not required

Eyes protection

In case of the dust formation wear dust-prof goggles/face shields

Skin protection

Not required

9 PHYSICAL AND CHEMICAL PROPERTIES

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Form: Solid (powder), white colour

Odour: Odourless

Solubility: Soluble in aromatic hydrocarbons

Density: 1380 kg/cm³ at 23° C

Decomposition temperature: Start at 100° C

Bulk density: 300 at 600 kg/cm³

Solubility in water: Insoluble

Auto-ignition temperature: > 450° C

Minimum ignition temperature: > 220° C

Minimum ignition energy: > 2500 mJ



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10 STABILITY AND REACTIVITY

Conditions to avoid

Temperatures above 100° C

Materials to avoid

Not known

Hazardous decomposition products

Hydrogen chloride vapours

11 TOXICOLOGICAL INFORMATION

Not known

12 ECOLOGICAL INFORMATION

Mobility

In aqueous medium the coarse particles settle. The fine particles stay in suspension

The fine particles disperse in the air

Persistence and degradability

Not biodegradable. Insoluble in water.

Biocumulation potential

Not bioaccumulative

13 DISPOSAL CONSIDERATIONS

Product disposal

Material recovery, energy recovery or landfilling are possible

Container disposal

Containers can be recycled, re-used or landfilled

14 TRANSPORT INFORMATION

Not dangerous for carriage under ADR, RID, IMO/IMDG and INATA/ICAO

15 REGULATORY INFORMATION

Explosivity class (dust): I

16 OTHER INFORMATION

Normative reference

ISO 11014-1:1994, Safety data sheet for chemical products - Part 1: Content and order of sections