

MATERIAL SAFETY DATA SHEET

TO: SIN/CS-A
FROM: T&E/CS-A

Information on manufacturer

Address : 2-4 3-chome Nakanoshima, Kita-ku, Osaka, Japan
Department in charge : Plastics & Chemicals Division,
Marketing & R&D Department

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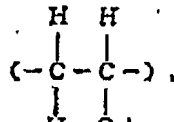
Emergency access : Kaneka Corporation, Takasago Works

Provision date : March 31, 1993

Revision date : _____

Material name NIPPON VINYL S1001, S1003
S1007, S1008

Chemical Name : Polyvinyl chloride(PVC)



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Reference number published in the official gazette

: (G)-66
(Law Concerning Screening of Chemical
Substances and Regulation of Their
Manufacture)

CAS No. : 9002-86-2, 9001-06-7
: 25085-46-5, 25950-66-3

United Nations classification/United Nations number :
The material does not come under any of the
criteria

Classification of hazardousness and harmfulness

Class name : The material does not come under any of the
criteria

Hazardousness : No data

Harmfulness : No data

Environmental effect : No data

First-aid actions

When the material gets in eyes

: Don't rub the eyes. Wash the eyes with water
for more than 15 minutes, and take medical
advice of a doctor.

When the material touches the skin

: Wash the skin with water.

When the material is inhaled

: When a large amount is inhaled, take medical
treatment of a doctor.

When the material is swallowed

: When a large amount is swallowed, take
medical treatment of a doctor.

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Actions in a fire

- Fire Extinguishing : In fire fighting, wear an air-inhaler (a compressed air open-circuit self-contained breathing apparatus).
- Fire Extinguishers : Water spraying, Dry chemicals or foam type extinguishers.
- Others : When the material is burnt, irritating gas emits. Main components of the gas are HCl, CO and CO₂.
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Actions in leakage : Collect drifting material in an empty container.

Precautions for usage and storage

- Usage : Don't place the material close to fire.
Keep the material from drifting.
- Storage : Don't expose the material to the direct rays of the sun. Keep it in a cool, dark and well-ventilated place.
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Measures for no exposure

- Controlled concentration : Not established.
- Acceptable concentration : Japan Association of Industrial Health
: No data
ACGIH : No data
- Installation of equipments: At the place where the material drifts easily, it is preferable to install local ventilation systems, attached with dust removing systems.
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Protective equipments : When necessary, use the following protective equipments.

An inhaler: In working with the material, wear a dust protective mask. In fire fighting, wear an air-inhaler.

Protective glasses : Dust protective glasses.

Protective gloves

Protective clothes: Special clothes are not necessary.

Physical/Chemical properties

Appearance, etc	: White powder
Boiling point	: No data
Melting point	: No data
Vapor pressure	: No data
Volatility	: Nonvolatile
True specific gravity	: 1.4g/cm ³ (20 °C)
Solubility	: Insoluble in water

Data of hazardousness(Stability - reactivity)

Ignition temperature	: 391 °C ¹⁾
Flash temperature	: 454 °C ¹⁾
Flammability	: The material is self-extinguishing resin, and the oxygen index is about 45. ²⁾
Ignitability	: Nonignitable at ordinary temperature.
Oxidizability	: Stable at ordinary temperature
Dust explosiveness	: Dust nonexplosive
Stability, reactivity	: Stable when the material is dealt with under ordinary conditions.

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Data of harmfulness

Unknown. But so far no case has been reported that the material causes any harm.

Data of environmental effects

Decomposability : Unknown
Accumulativeness : Unknown
Toxicity to fish : Unknown

Precautions for disposal

Burn the material in an incineration system attached with an exhaust gas treating equipment, or bury it as nonhazardous waste.

Precautions for transportation

Take possible care not to break the container and not to let the load collapse.

Applied laws

Nothing

References

- 1) Plastics Data Handbook
Edited by Kimimasa Ito, Kogyo Chosakai Publishing Co., Ltd.
(1980), P. 118
- 2) The same book as the above, p. 110

Usage of this report

This report is based on literature, information and data which are available so far.

This report does not intend to guarantee the physical and chemical properties and hazardousness described here.

The precautions mentioned above are to be taken in ordinary situations of working with the material. In other special situations, take appropriate safety measures for the usage of the material and for the way the material is dealt with.

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