Section II - Hazardous Ingredeints/Identify Information

- Date Released: December 2, 2002
- Date Prepared: May 22, 1997

Responsible Person for Information:

Chemists Company

Chiyoda-ku, 1-2-1 Yurakicho 1-Chome
Tokyo 100-6405, JAPAN

Address

Emergency Telephone Number:

+81-3-3218-5429

Manufacturer's Name:

ASAHI GLASS Co., Ltd.

Section 1

CYTOP CT-SOLVIA-80

Identity (As Listed on Label and List)

No. Z-180-0749-04

MATERIAL SAFETY DATA SHEET
Toxic vapors or gases are possible product of thermal decomposition.

Combustible.

Hydrogen Fluoride (HF), Carbon Monoxide, Perfluoro Iso-Butylene (PIB), and

Hazardous Decomposition or Byproducts

Fluorides; acidic metal, alkali and alkali earth metals.

Incompatibility (Materials to Avoid):


Condition to Avoid: When heated at temperature higher than 300°C. If decomposes

Stability: Stable

Hazardous Components

Section V – Reactivity Data

Data:

Exposure to extreme heat can give rise to thermal decomposition. See section V1, Health Hazard

Unusual Fire and Explosion Hazards:

Fire Zone. Keep containers cool with water spray when exposed to fire to avoid rupture.

that may result from the thermal decomposition of the product or the other substances in the

antidote: During the extinguishing operations, Avoid breathing the products and substances

face mask and protective covering for exposed areas of the head. No unusual effects are

pressurized demand breathing apparatus and pants, bands around arms, waist and legs.

When the fighting conditions are severe and total thermal decomposition of the product is

possible: Wear full protective clothing including helmet, self-contained, positive pressure

Special Fire Fighting Procedures:

Exttinguishing Media: Non flamable

Flammable limits: LEL = N/A, UEL = N/A

Flash Point (Method Used): None (Seta flash CC)

Section V1 – Fire and Explosion Hazards

Appearance and Odor: Colorless, Odorless Liquid.

Solubility in Water: Insoluble

Evaporation Rate (Est): N/A

Vapour Density (Air = 1): 33

Melting Point: Not determined

Vapor Pressure (Pa): 67Pa (25°C)
OTHER HEALTH HAZARD INFORMATION

Decomposition occurs.

Health effects from inhalation are not expected unless the product is over heated and decomposes.

No adverse health effects are expected from inhalation exposure.

INHALATION:

Swallowing, pain, and hoarding.

Contaminants may be introduced that may cause skin irritation. Signs/symptoms include: redness, swelling, pain, and irritation.

No adverse health effects are expected from skin contact. After product has been in use.

SKIN CONTACT:

May cause eye irritation. Signs/symptoms include: redness, swelling, pain, and irritation.

No adverse health effects are expected from eye contact. Product is not expected to produce exposure.

EYE CONTACT:

Typical signs, symptoms, and effects.

OSHA Regulated N/E •
IARC Monographs N/E •
NTP: N/E •

Carcinogenicity

Chronic effects: None known.

Health Hazardous (Acute and Chronic)


Section VI - Health Hazard Data

Chemical hazards (physical and chemical)


Conditions to Avoid: See Section IV, Health Hazard Data.

Not Occur: X

Hazardous Polymetalization
thermal decomposition occurs, select one of the following NIOSH approved respirators based on
Avoid prolonged breathing of vapors. Avoid inhalation of thermal decomposition products. If
Respiratory Protection (SpectraLyte Type)

Section VII - Control Measures

No smoking while handling this material.
Store at room temperature.
Keep container(s) closed to avoid contamination.
Precautions to Be Taken in Handling and Storing
Combustion products will include HF.
Incompatible in an industrial or commercial facility in the presence of combustible materials.

Waste Disposal Method

Present minimum eddy current velocity should be at least 0.8 linear feet per minute.
Provide for application at or above the boiling temperature. If inedible or current are
Local exhaust ventilation with a minimum capture velocity of 50 linear feet per minute should be
Use with appropriate local exhaust ventilation.
Recommended Ventilation

Steps to be Taken in Case Material is Released or Spilled

In confined spaces, Collect spilled material with an absorbent. Place in an approved container.
In accordance with good industrial hygiene practice, provide exhaust ventilation for large spills or
Observe precautions from other sections.

Section VIII - Precautions for Safe Handling and Use

Drinking:

If swallowed:
Consult a physician if symptoms persist.
Flush eyes with plenty of water for at least 15 minutes.

EYE CONTACT:

Wear safety glasses with side shields. Wash affected area with soap and water. Flush skin with large amounts of water. If irritation
SKIN CONTACT:

Consult a physician if symptoms persist.
If exposed to fumes from overheating or combustion, move to fresh air.

INHALATION:

Emergency and First Aid Procedures

milligrams per cubic meter as a ceiling limit.
It comes under the Foreign Exchange and Foreign Trade Control Law of Japan.

Remarks:
The product is not designed for special applications such as pharmaceutical, medical use.

- PNSD = Particles not otherwise specified (ACGIH definition)
- PNSO = Particles not otherwise specified (OSHA definition)
- N/E = Not established
- N/A = Not applicable

This product is not designed, manufactured, or intended for medical use, including implantation to the body or other applications in direct contact with body fluids or tissues.

Responsibility for the accuracy or completeness of the data contained herein.

This material safety data sheet is offered only for your information, consultation and investigation.

Section IX - Additional Information

Avoid contamination of cerebrates or tobacco with this material.

Other

Bioaccumulation: Concentration degree in fish (carp, weeks) 3.3 - 8.6 (0.1 - 1)
Bioaccumulation: U.S Ocean Water Act, Section 307, Toxic Pollutants = None
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Environmental Data

Footwear:

When possibility exists for eye and face contact with solution, wear heat resistant clothing and wear safety glasses with side shields. Wear coverall chemical splash goggles and face shield.

Eye/Skin Protection

Supplied if Resealer. Full-face supplied if respirator.

Supplier concentration of contaminants and in accordance with OSHA regulations: half-mask