

Safety Data Sheet

1. Product and company identification

Product name : Aurexel MD-101B
Name of manufacturer : KANTO CHEMICAL CO., INC.
Address : 2-1, Nihonbashi, Muromachi 2-Chome, Chuo-Ku, Tokyo, 103-0022, Japan
Name of section : Electronic materials division technical department
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SDS No. : GE10685

2. Summary of danger and Hazard

GHS classification

Physical and chemical hazard

Flammable liquids : Out of category

Pyrophoric liquids : Out of category

Self-heating substances and mixtures
: Out of category

Substances and mixtures which, in contact with water, emit flammable gases
: Out of category

Oxidizing liquids : Out of category

Human health hazard

Serious eye damage/eye irritation
: Out of category

Reproductive toxicity
: Category 1B

Specific target organ systemic toxicity(single exposure)
: Category 1

Specific target organ systemic toxicity(repeated exposure)
: Category 1

Pictogram or symbol



Signal word : Danger

Hazard statement : May damage fertility or the unborn child
May cause harm to breast-fed children
Causes damage to organs (thyroid gland)
Causes damage to organs (thyroid gland, skin, systemic toxicity)
through prolonged or repeated exposure

Cautions

- Safety measurements : Do not handle until all safety precautions have been read and understood.
Do not breathe dust, mist, and vapor.
Avoid contact during pregnancy and while nursing.
Do not eat, drink or smoke when using this product.
Wear appropriate protective gloves, glasses, clothing, face shield, or mask.
Wash hands thoroughly after handling.
- First-aid measures : If exposed, get medical treatment.
Get medical treatment, if you feel unwell.
- Storage : Store locked up.
- Disposal : Dispose of contents and containers appropriately in accordance with related regulations.

3. Composition/Information on ingredients

- Substance/Mixture : Mixture
- Ingredients and composition
: Compound A max. 15%
Compound B max. 15%
Compound C max. 1%
Compound D max. 1%
Water min. 68%
- Chemical formula : Compound A nondisclosure
Compound B nondisclosure
Compound C nondisclosure
Compound D nondisclosure
Water H2O
- CAS No. : Compound A nondisclosure
Compound B nondisclosure
Compound C nondisclosure
Compound D nondisclosure
Water 7732-18-5
- TSCA Inventory : Registered
- EINECS No. : Compound A nondisclosure
Compound B nondisclosure
Compound C nondisclosure
Compound D nondisclosure
- Dangerous and hazardous ingredients
: Compound A, Compound B, Compound C, Compound D

4. First aid measures

- Inhalation : Remove the victim to fresh air, and make him blow his nose and gargle.
- Skin contact : Wash the affected areas under running water.
- Eye contact : Wash the affected areas under running water.

Ingestion : Give the victim water or salt water and induce vomiting. If necessary, get medical attention.

5. Fire fighting measures

Extinguishing media : This product is noncombustible.

Prohibited extinguishing media : None

Particular fire fighting : Move containers from fire area if it can be done without risk, if not possible, apply water from a safe distance to cool and protect surrounding area.

Protection for firefighters

: Firefighters should wear protective equipment.

6. Accidental release measures

Cautions for personnel : Wear proper protective equipment and avoid contact with skin and inhalation of vapor. Conduct operations from upwind and evacuate people downwind.

Cautions for environment : Attention should be given to avoid discharge of spilled product into rivers and resulting environmental damage. When diluting spill with large amounts of water, discharge of untreated wastewater into the environment must be avoided.

Removal measure : Absorb spill with inert material (e.g., diatomaceous earth, sand) and flush spillage area with copious amounts of water.

7. Cautions of handling and storage

Handling

Engineering measures : If necessary, wear appropriate protective equipment to avoid contact with skin or inhalation of vapor.

Cautions for safety handling

: Avoid formation of vapor and aerosols.

Storage

Adequate storage condition

: Replace N2 gas, store in a dark, cool place and tightly closed.

Safety adequate container materials

: Glass, polyethylene, polypropylene

8. Exposure control/Personal protection

Engineering measures : Use with an enclosed system or a local exhaust ventilation.

Control parameters

ACGIH(2015) : Compound A Not established
Compound B Not established
Compound C Not established
Compound D Not established

Protective equipment

Respiration protective equipment

: If necessary, wear a chemical cartridge respirator.

Hands protective equipment

: Impervious protective gloves

Eyes protective equipment

: Safety goggles

Skin and body protective equipment

: Protective clothing, protective boots

9. Physical and chemical properties

Appearance : Liquid

Color : Light yellow

Odor : Slight characteristic odor

pH : 6.7

Boiling point : Not available

Melting point : Not available

Flash point : Not available

Auto-ignition point : Not available

Explosion characteristics

Explosion limit : Not available

Density : Not available

Solubility

Solubility in solvents : Water ; Miscible

Other data : Specific gravity : 1.16 (20/20°C)

10. Stability and reactivity

Stability : Stable under normal conditions.

Reactivity : May react with oxidizing substances.

Incompatible conditions : Light, heat

Incompatible materials : Oxidizing substances

Hazardous decomposition products

: When heated to decomposition it emits very toxic fumes of I- and K2O.
Carbon monoxide, nitrogen oxides, sulfur oxides

11. Toxicological information

Acute toxicity : Oral : Not possible to classify because of insufficient data.

Dermal : Not possible to classify because of insufficient data.

Inhalation(vapor) : Not possible to classify because of insufficient data.

Inhalation(dust, mist) : Not possible to classify because of insufficient data.

Skin corrosion/irritation : Not possible to classify because of insufficient data.

Serious eye damage/eye irritation

: Out of category

Respiratory sensitization or Skin sensitization

: Respiratory sensitization : Not possible to classify because of insufficient data.

Skin sensitization : Not possible to classify because of insufficient data.

Mutagenicity : Not possible to classify because of insufficient data.

Carcinogenic effects : Not possible to classify because of insufficient data

Effects on the reproductive system

: May damage fertility or the unborn child(category 1B)

May cause harm to breast-fed children

Specific target organ systemic toxicity single exposure

: Cause damage to organs (thyroid gland) (category 1)

Specific target organ systemic toxicity repeated exposure

: Cause damage to organs (thyroid gland, skin, systemic toxicity) through prolonged or repeated exposure(category 1)

Aspiration hazard

: Not possible to classify because of insufficient data.

12. Ecological information

Ecotoxicity

Fish toxicity

: Acute aquatic toxicity : Not possible to classify because of insufficient data.

Chronic aquatic toxicity : Not possible to classify because of insufficient data.

Persistence and degradability

: Not available

Mobility in soil

: Not available

13. Disposal consideration

Residual disposal

: Dissolve in a water and dispose of in accordance with applicable laws and local regulations. Or entrust approved waste disposal companies with the disposal.

Containers

: In case of disposal of empty bottles, dispose bottles after removing the content thoroughly.

14. Transport information

UN class

: It is not regulated under UN regulations.

15. Regulatory information

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

16. Other information

References

Encyclopaedia Chemica, Kyoritsu Shuppan Co., Ltd. (1963)

Dangerous Properties of Industrial Materials, 6th ed. N. I. Sax Van Nostrand Reinhold Company (1984)

Japanese Pharmacopoeia 17th revised description, Hirokawa Publishing Co. (2016)

The information contained herein is based on several references and the present state of our knowledge. However the SDS does not always cover all information about the product, handle the product carefully. The information is intended to ordinary usage, in case of particular handlings, conduct appropriate safety measurements. The information herein is only provision of information, and it does not represent a guarantee the properties of the product. The Safety Data Sheet (SDS) is prepared based on JIS Z7253, and it has the same required elements on the Material Safety Data Sheet (MSDS) which is prepared based on JIS Z7250:2010.