

Safety Data Sheet

1. Product and company identification

Product name : Aurexel MD-101A
Name of manufacturer : KANTO CHEMICAL CO., INC.
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Name of section : Electronic materials division technical department
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SDS No. : GE10684

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

3. Composition/Information on ingredients

Substance/Mixture : Mixture

Ingredients and composition

: Compound A max. 25%
Compound B max. 15%
Compound C max. 10%
Compound D max. 1%
Compound E max. 1%
Compound F max. 1%
Water min. 47%

Chemical formula : Compound A nondisclosure
Compound B nondisclosure
Compound C nondisclosure
Compound D nondisclosure
Compound E nondisclosure
Compound F nondisclosure
Water H2O

CAS No. : Compound A nondisclosure
Compound B nondisclosure
Compound C nondisclosure

Compound D nondisclosure
Compound E nondisclosure
Compound F nondisclosure
Water 7732-18-5
TSCA Inventory : Registered
EINECS No. : Compound A nondisclosure
Compound B nondisclosure
Compound C nondisclosure
Compound D nondisclosure
Compound E nondisclosure
Compound F nondisclosure

Dangerous and hazardous ingredients

: Compound A, Compound B, Compound C, Compound D, Compound E, Compound F

4. First aid measures

Inhalation : Remove the victim to fresh air, and make him blow his nose and gargle. If necessary, get medical treatment.
Skin contact : Wash the affected areas under running water.
Eye contact : Wash the affected areas under running water for at least 15 minutes. Get medical treatment.
Ingestion : Give the victim water or salt water and induce vomiting. If necessary, get medical attention.

Protection for first aid person

: Rescuers should wear proper protective equipment like rubber gloves, goggles.

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. Keep away personnel except for authorized ones from spillage area by stretching ropes.

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 place in a tightly closed container. Flush residual area with copious amounts of water.

7. Cautions of handling and storage

Handling

Engineering measures : Wear proper 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
Compound E 2ppm (TLV-TWA)
Compound E 4ppm (TLV-STEL)
Compound F 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 : Colorless

Odor : Odorless

pH : 7.3

Boiling point : Not available

Melting point : Not available

Flash point : Not available

Auto-ignition point : Not available

Explosion characteristics

Explosion limit : Not available

Solubility

Solubility in solvents : Water ; Miscible

Other data : Specific gravity : 1.28 (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

: 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

: Not possible to classify because of insufficient data.

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

: Not possible to classify because of insufficient data.

Specific target organ systemic toxicity single exposure

: Not possible to classify because of insufficient data.

Specific target organ systemic toxicity repeated exposure

: Not possible to classify because of insufficient data.

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

Bioaccumulative potential : 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

Handbook of dangerous and hazardous chemicals, Japan Industrial Safety & Health Association. (2000-2001)

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

Handbook of Dangerous Substances Springer-Verlag Tokyo (1991)

Handbook of 16817 Chemical Products, The Chemical Daily Co. (2017)

Handbook of Poisonous and Deleterious substances, revised and enlarged edition, Yakumu Kohosa (2000)

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.