

MATERIAL SAFETY DATA SHEET

TOAGOSEI CO., LTD.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : aa · Setter
General Use : Curing accelerants for Instant Adhesive
Product Description : Mixture of ethanol, methanol, and additives

MANUFACTURER :

Company Name : TOAGOSEI CO., LTD.
Address : 1-14-1, Nishi-Shimbashi, Minato-ku, Tokyo, JAPAN
Telephone No. : +81-3-3597-7275

EMERGENCY TELEPHONE NUMBERS :

Toagosei Co., Ltd.
1-14-1, Nishi-Shimbashi, Minato-ku, Tokyo, JAPAN
Telephone No.: +81-3-3597-7275

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name : 1. Ethanol
2. Methanol
3. Aromatic-tertiary amine
Molecular Formula : 1. C₂H₅O
2. CH₄O
3. Trade Secret
Composition : 1. 70 - 80wt%
2. < 3%
3. 20 - 30wt%
CAS Number : 1. 64-17-5
2. 67-56-1
3. Trade Secret
TSCA No. : 1. 64-17-5
2. 67-56-1
3. Trade Secret (Listed on TSCA Inventory)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: May cause irritation to eyes, nose and throat.

May be harmful if inhaled, ingested or through skin absorption.

Potential Health Effects: Routes of exposure: Inhalation, Eye, Skin, Ingestion.

Inhalation : May cause dizziness, headache. In large amount of vapor, may cause drunkenness or unconsciousness.

Eye : May causes irritation.

Skin : May causes removal fat.

Ingestion : May causes drunkenness and stomach pain.

Potential Environmental Effects : Not Available.

4. FIRST AID MEASURES

INHALATION:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

EYE CONTACT:

In case of contact with eyes, flush with plenty of water for at least 15 minutes and seek medical attention.

SKIN CONTACT:

In case of contact with skin, flush with wash soap and water. Get medical attention if irritation persists after washing.

INGESTION:

If swallowed, rinse mouth with water and give the plenty of water. Get prompt medical attention.

Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES:

Self-contained breathing apparatus with face piece and protective clothing if involved in a fire or other materials.

SPECIFIC HAZARDS:

None known.

UNSUITABLE EXTINGUISHING MEDIA:

Not available.

PROTECTIVE EQUIPMENT:

Full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Eliminate all sources of ignition.

Large quantities: Wipe and soak up liquid with absorbent like rags. Ventilate area. Material may be taken up on sand or clay absorbent.

Small quantities: Soak up with absorbent material and remove to a chemical disposal area.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Avoid inhalation of vapor and contact with skin and eyes. Wash thoroughly after handling.

Store in a dark, cool place. Keep away from heat, sparks, flame and other ignition sources.

8. PERSONAL PROTECTION / EXPOSURE CONTROLS

RESPIRATORY PROTECTION:

Not required in normal use.

VENTILATION LOCAL EXHAUST:

The use of local exhaust ventilation is recommended to control emissions near the source.

PROTECTIVE GLOVES:

Polyethylene gloves.

EYE PROTECTION:

Eye glasses or Goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Not required in normal use.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Paleyellow liquid
ODOR	: Characteristic odor
pH	: Not available
BOILING POINT	: 79 deg C
MELTING POINT	: Not available
FLASH POINT	: 15 deg C (Closed cup)
SPECIFIC GRAVITY	: 0.82
SOLUBILITY	: Soluble in water.
VISCOSITY (mPa*s)	: Not available
VAPOUR DENSITY	: Not available

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY	: Causes exothermic reaction with plenty of Aron Alpha.
INCOMPATIBILITY	: Strong oxidizing agents, reducing agents, bases, acids.
HAZARDOUS DECOMPOSITION	: None known.

HAZARDOUS POLYMERIZATION : Not Occur.

CONDITIONS TO AVOID : Open flame, sparks, heat, and ignition sources.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY : Data not yet available.

SUBACUTE TOXICITY : Data not yet available.

SKIN IRRITATION : If a quantity is large, skin irritation may happen.

EYE IRRITATION : Irritation and lachrymosity will occur slightly.

SENSITIZATION : Data not yet available.

MUTAGENIC EFFECTS : Data not yet available.

12. ECOLOGICAL INFORMATION

ECOLOGICAL EFFECTS: Data not yet available.

13. DISPOSAL INFORMATION

WASTE DISPOSAL METHOD:

Immerse absorbent in pail water and dispose as oily rags.

(Dispose in accordance with all applicable federal, state and local environmental regulations.)

14. TRANSPORT INFORMATION

TRANSPORTATION INFORMATION:

US DEPARTMENT OF TRANSPORTATION (DOT)

Hazardous Materials : Not Applicable.

SEA TRANSPORT

IMDG

Class : 3

Packing Group (PG) : II

UN Number : UN1170

Proper Shipping Name : ETHANOL Solution

Marine Pollutant : Not Applicable.

AIR TRANSPORT

ICAO/IATA

Class : 3

Packing Group (PG) : II

UN Number : UN1170

Proper Shipping Name : ETHANOL Solution

15. REGULATORY INFORMATION

REGULATORY INFORMATION:

All components are listed on TSCA Inventory. Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

16. OTHER INFORMATION

OTHER INFORMATION:

The information on this Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.