

Material Safety Data Sheet

1. Substance Identification & Supplier's Information

Chemical Product Name: AD Seal

Product Identification: NBR rubber based sealant

Relevant Identified Uses: Sealing material for building uses

Supplier's Details:

(Name) KOUBUNSHI KASEI CO., LTD.

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(Name of Section)

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2. Hazards Identification

Physical hazards: Flammable solid Category 2

Health hazards:

Acute toxicity Oral: Category 4

Dermal: Out of category

Inhalation/gas: Not eligible for classification

Inhalation/vapor: Out of category

Inhalation/powder: Out of category

Skin corrosion/irritation: Category 2

Eye danger/irritation: Category 2B

Respiratory/skin sensitization: Out of category

Germ cell mutagenicity: Out of category

Carcinogenicity: Out of category

Reproductive toxicity: Out of category

Specific target organ systemic toxicity

Single exposure: Category 1 (central nervous system)

Category 2 (liver)

Category 3 (sensitive to respiratory tract)

Repeated exposure: Category 2 (central and peripheral nerve systems)

Aspiration hazards: Out of category

Aquatic environment hazards

Acute: Category 3

Chronic: Category 3

GHS label elements:

Pictogram:



Signal word: Danger

Hazard statements:

Toxic to inhale.

Skin and eye irritations.

Risk of hazards to central nerves, liver and respiratory organs.

Risk of hazards to central and peripheral nerves on repeated or long-term exposure.

3. Information on Ingredients

Mixture

Chemical nature: NBR rubber based sealant

Contents:

CAS No.	Wt Cont(%)	Chemical Name	MITI No.
9003-18-3	Not open	NBR elastomer	6-454
78-93-3	20-30	Methyl ethyl ketone	2-542
108-87-2	5-10	Methyl cyclohexane	3-2230
14808-60-7	1-3	Silica	1-548

4. Health Effects & First Aid

If inhaled:

Remove to fresh air immediately; keep warm and at rest in a position comfortable for breathing.

Give artificial respiration in case of no or weak breathing. Get medical attention.

On skin contact:

Remove accretion and wash thoroughly with soap and water.

Wash clothing before reuse.

If irritation/eruption appears, get medical advice/attention.

On contact with eyes:

Wash affected eyes under running water with eyelids held open. Remove contact lenses.

If eye irritation persists, get medical attention.

5. Fire-fighting Measures

Extinguishing media: Water spray/mist, foam, dry powder, carbon dioxide

Advice for fire-fighters:

This product may produce carbon monoxide in case of incomplete combustion.

Wear appropriate protective equipment such as heat-resisting clothes.

Keep unnecessary people away and remove combustibles from fire area.

6. Accidental Release Measures

Use appropriate personal protective equipment such as gloves, masks, clothing and goggles.

Keep unnecessary people away and remove combustibles.

Do not wash away into sewer, watercourse or river.

Collect spills with spark free apparatus into sealed containers.

7. Handling & Storage

Precautions for safe handling:

- Avoid every contact with skin and eyes.
- Use appropriate personal protective equipment.
- Ensure ventilation in workplace.

Precautions for safe storage:

- Avoid sunshine and heat; keep in cool, well ventilated area.
- Also avoid contact with water and solvents.
- Use sealed containers.

8. Exposure Control Measures

Personal protective equipment:

- Respiratory protection: Gas mask
- Hand protection: Chemical resistant safety gloves
- Eye protection: Safety glasses
- Skin/body protection: Long sleeve clothing

General safety and hygiene measures:

- Provide ventilation, particularly in closed workplace.
- Vapor is heavier than air; thus tends to linger at a lower place.
- Ground equipment for transporting/collecting/mixing this product.

Control parameters:

- Methyl ethyl ketone: TWA value 200ppm; LTV 300ppm (ACGIH); rtLD50 3,980mg/kg

9. Physical Data

Description: Silver colored paste with faint ketone odor

pH: -

Flash point: -3°C

Ignition point: 505°C (Methyl ethyl ketone)

Explosion limits: 1.81 vol% to 11.5 vol% (Methyl ethyl ketone)

Vapor pressure: -

Vapor density: 2.41 (Methyl ethyl ketone)

Specific gravity: 1.15±0.05

Solubility: Soluble in solvents

10. Stability and Reactivity

Chemical stability: Stable if stored and handled as prescribed.

Possibility of hazardous reaction: No information available except combustion reaction

Hazardous decomposition products: Carbon monoxide

11. Toxicological Information

At 200ppm, subjective symptoms are identified such as pains in eyes and throat or ataxia.
At extremely higher density, a person might fall in an anesthetic state or lose consciousness or life.
On eye contact, there are risks of eye inflammation or visual disorder.
Skin contact might bring skin inflammation.

12. Ecological Information

No information is available.

13. Disposal Considerations

For disposal, observe all federal, state and local regulations, and use authorized waste disposal agents.
Contaminated packages and cartons should be incinerated.

14. Transport Information

UN No.: 1133
Packaging group: II

Observe IATA, IMO and other regulations.

15. Regulatory Information (Japan)

Fire Services Act: No.2 Flammable Solid
Poisonous & Deleterious Substance Control Law: Not applicable
Labor Safety and Health Law:
 Flammable Goods: Methyl ethyl ketone
 Dangerous and toxic substances subject to indicate their names: Methyl ethyl ketone
 Dangerous and toxic substances subject to notify their names:
 Methyl ethyl ketone, Methyl cyclohexane, Silica
Pollutant Release & Transfer Register Law: Not applicable

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