

ASPH tape Safety Data Sheet

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1. Product identification Adhesive tape: ASPH tape

2. Hazard identification

GHS classification

Physical and chemical hazards: Does not meet the GHS classification criteria.

Physical and chemical hazards

Hazard class	Classification
Explosives	Not applicable
Flammable gases	Not applicable
Flammable aerosols	Not applicable
Oxidising gases	Not applicable
Gases under pressure	Not applicable
Flammable liquids	Classification not possible
Flammable solids	Not applicable
Self-reactive substances and mixtures	Not applicable
Pyrophoric liquids	Not applicable
Pyrophoric solids	Not applicable
Self-heating substances and mixtures	Not applicable
Substances and mixtures that emit flammable gases in contact with water	Not applicable
Oxidising liquids	Not applicable
Oxidising solids	Not applicable
Organic peroxides	Not applicable
Corrosive to metals	Not applicable

Health hazards

Hazard class	Classification
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Category 5
Acute toxicity (inhalation: gases)	Classification not possible
Acute toxicity (inhalation: vapours)	Classification not possible
Acute toxicity (inhalation: dusts and mists)	Classification not possible
Skin corrosion and irritation	Classification not possible
Serious eye damage and eye irritation	Category 2B
Respiratory sensitisation	Not classified
Skin sensitisation	Classification not possible
Germ cell mutagenicity	Classification not possible
Carcinogenicity	Classification not possible
Reproductive toxicity	Classification not possible
Specific target organ toxicity (single exposure)	Classification not possible
Specific target organ toxicity (repeated exposure)	Category 2

Environmental hazards

Hazard class	Classification
Hazardous to the aquatic environment (acute)	Classification not possible
Hazardous to the aquatic environment (chronic)	Classification not possible

Pictograms

Signal word: Warning

Hazard statements: Skin and eye irritation.

Prolonged or repeated exposure by inhalation may cause respiratory damage.

3. Composition and information on ingredients

Substance or mixture: Mixture

Chemical or common name: Adhesive tape

Part	ID	Chemical name	Content	Japan CSCL inventory No.	CAS No.
Adhesive	I	Straight asphalt	55-65%	9-1720	8052-42-4
Adhesive	II	Petroleum resin	8-18%	6-1071	Existing
Adhesive	III	Synthetic rubber	5-15%	6-143	25038-32-8
Adhesive	IV	Mineral oil	3-8%	9-2468	Existing
Release paper	V	Woodfree paper	8-18%	Registered	65996-61-4
Release paper	VI	Polyethylene	5-10%	6-8	25087-34-7
Release paper	VII	Polysiloxane	0.5-1%	Registered	Not disclosed

4. First aid measures

Eye contact: Rinse eyes with washing water for at least 15 minutes. Obtain medical attention immediately.

Skin contact: Remove contaminated clothing. Immediately wash the affected or exposed area with plenty of water.

Inhalation: Move to fresh air. Obtain medical attention immediately.

Ingestion: Rinse the mouth thoroughly with water. Obtain medical attention immediately.

5. Firefighting measures

Firefighting procedures: Shut off the source of fuel. Fight the fire from upwind using carbon dioxide or foam extinguishers.

Extinguishing media: Dry powder, carbon dioxide, halogenated agents, air foam, water, dry sand, etc.

6. Accidental release measures

Small spills: Absorb with dry sand, wiping cloths or similar materials, and place in an empty container.

Large spills: Stop the flow with soil or sand, direct the material to a safe location, and recover it.

7. Handling and storage

Handling: Keep away from fire. If the product melts due to heat and spills, spread sand or similar material over it before cleanup.

Wear protective equipment to prevent inhalation and contact with the eyes, nose and skin. Prolonged inhalation of vapour from the heated, molten product may cause discomfort. Wash hands and gargle thoroughly after work.

Thoroughly remove any product adhering to work clothing.

Storage: Keep away from fire and heat sources. Store in a designated cool, dark location with fire-resistant facilities.

Avoid direct sunlight and prolonged storage at high temperatures.

8. Exposure controls and personal protection

Administrative control level: Not specified (Working Environment Evaluation Standards: Ministry of Health, Labour and Welfare Notifications Nos. 194/195 of 2009).

Occupational exposure limit: Japan Society for Occupational Health recommended value: 3 mg/m³ (as mineral oil mist).

ACGIH time-weighted average: TWA 5 mg/m³ (as mineral oil mist).

TWA 0.5 mg/m³ (as asphalt fumes).

Engineering controls: Use local exhaust ventilation for indoor work to avoid direct inhalation of vapour.

Personal protection - Respiratory protection: Mask.

Eye protection: Goggles or safety glasses with side shields.

Hand protection: Chemical protective gloves.

Other protection: Rubber boots and a rubber apron.

9. Physical and chemical properties

Property	Information
Appearance	Solid. Black adhesive tape wound with white release paper.
Colour	Adhesive layer: Black
Odour	Slight petroleum odour
pH	No information available
Melting and freezing point	No information available
Softening point	76 °C
Boiling point	No data available. (1)
Flash point	[HOA-MPL] 260 °C or higher (COC method). (1)
Auto-ignition temperature	Approximately 480 °C
Flammability or explosive limits (upper/lower)	No information available
Vapour pressure	No information available
Vapour density (air = 1)	No information available
Specific gravity	[HOA-MPL] 1.00-1.05 g/cm ³ (15 °C). (1)
Density	No information available
Solubility	Insoluble in water; soluble in various organic solvents.

10. Stability and reactivity

Property	Information
Stability	Stable under normal handling conditions. Melts as temperature rises.
Possibility of hazardous reactions	No information available (no hazardous reactions under normal use).
Conditions to avoid	High temperatures, moisture and direct sunlight.
Incompatible materials	Strong acids, strong alkalis, oxidising agents and halogens.
Hazardous decomposition products	No information available

11. Toxicological information

No information is available for this product. The following information is available for its components.

Acute toxicity: Acute toxicity is presumed to be low.

Oral: Rat LD50: 5,000 mg/kg or greater. (1)

Dermal: Category 5. Rabbit LD50: 2,000 mg/kg or greater. (1)

Inhalation (vapour and mist): No information available.

Skin corrosion and irritation: No irritation in the Draize test.

Sensitisation: No information available.

Mutagenicity: No information available.

Carcinogenicity: IARC (International Agency for Research on Cancer) classifies bitumens in IARC Group 3 (not classifiable as to carcinogenicity to humans). (1)

Reproductive toxicity: No information available.

Aspiration hazard: Not classified, as the kinematic viscosity is 8,000 mm²/s or greater.

Other information: Prolonged inhalation of gases generated at high temperatures may cause vomiting and dizziness.

Asphalt may contain hydrogen sulphide, carbon monoxide or similar substances.

12. Ecological information

Property	Information
Persistence and degradability	No information available
Bioaccumulation potential	No information available
Ecotoxicity	No information available

13. Disposal considerations

Dispose of in accordance with applicable laws and regulations and local authority standards.

Entrust disposal to an industrial waste disposal contractor licensed by the prefectural governor or other competent authority, or to a local public body.

Dispose of by incineration or landfill. For incineration, use an open-type incineration system.

Open burning is prohibited by law.

14. Transport information

International regulations - Maritime transport: Follow IMO regulations. Not classified as dangerous goods.

UN number: None

Marine pollutant: Not listed

Air transport: Follow ICAO/IATA regulations. Not classified as dangerous goods.

Domestic regulations: None in particular.

Special precautions: Take adequate measures to prevent leakage from containers and load collapse, and check grounding.

Keep away from fire. Do not transport together with explosives, oxidising substances or organic peroxides. Avoid direct sunlight during transport.

15. Regulatory information

Property	Information
Fire Service Act (Japan)	Not classified as dangerous goods (designated combustible material: synthetic resins).
Industrial Safety and Health Act (Japan)	Enforcement Order: Not subject to notification; not applicable.
Offensive Odour Control Act (Japan)	Not applicable
Poisonous and Deleterious Substances Control Act (Japan)	Not applicable
Air Pollution Control Act (Japan)	Not applicable
Water Pollution Control Act (Japan)	Not applicable
Chemical Substances Control Law (Japan)	Not applicable
PRTR Act (Japan)	Not applicable

16. Other information

References: Safety data for substances covered by the Act on the Promotion of Chemical Management.

Complete data on substances covered by the Industrial Safety and Health Act.

Guidelines for preparation of product safety data sheets, Japan Chemical Industry Association.

Japan Society for Occupational Health, 2006-2007.

Raw material MSDS.

Information quoted from the Showa Shell Sekiyu K.K. Safety Data Sheet (revised 1 December 2009).

This safety data sheet is provided to businesses handling hazardous chemical products as reference information to help ensure safe handling. This data sheet itself is not a guarantee of safety.