

1. Identification

Product identifier	Sb411 Orange T
Other means of identification	Not available
Product codes	SB411-ORT-2L
Recommended use and restriction on use	
Recommended use	Water-based disperse dye ink
Restrictions on use	For use as ink jet printing ink only
Supplier (Manufacturer)	MIMAKI ENGINEERING CO., LTD.
Address	2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN
Telephone	+81-268-64-2413
Emergency telephone number	+65 3165 2217 (within Singapore only) +65 3158 1074
Importer/agent/supplier (SINGAPORE)	MIMAKI SINGAPORE PTE. LTD. Address: 31 Kaki Bukit Road 3 Singapore 417818 TechLink #02-03 Telephone: +65-6508-2789

2. Hazards identification

GHS classification

Skin sensitisation	Category 1
Specific target organ toxicity (single exposure)	Category 1 (Central nervous system, blood system)
Specific target organ toxicity (repeated exposure)	Category 1 (Central nervous system, respiratory organs)

Hazards not described are "Not classified", "Not applicable" or "Classification not possible".

GHS label elements including precautionary statements

Pictograms



Signal word

Danger

Hazard statements

May cause an allergic skin reaction
Causes damage to organs (Central nervous system, blood system)
Causes damage to organs through prolonged or repeated exposure (Central nervous system, respiratory organs)

Precautionary statements

Safety Data Sheet

Product Name: Sb411 Orange T
 SDS No.: 037-W488944
 Date Prepared: 2025/04/30
 Date Revised: 2025/09/24

Prevention	Do not breathe dust/fume/gas/mist/vapours/spray. Wash contaminated areas thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
Response	IF ON SKIN: Wash with plenty of water. IF exposed or concerned: Call a POISON CENTER/doctor. Get medical advice/attention if you feel unwell. Specific treatment (see section 4 on SDS). If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification:

Not available

3. Composition/information on ingredients

Substance/Mixture	Mixture	
Ingredients	Concentration or concentration range	CAS No.
Water	50-60%	7732-18-5
Glycerol	10-20%	56-81-5
Others	10-20%	Trade secret
Propane-1,2-diol	5-15%	57-55-6
12H-phthaloperin-12-one	1-10%	6925-69-5

4. First-aid measures

Description of necessary first aid measures

Inhalation

Get medical advice/attention if you feel unwell.

Skin contact

IF ON SKIN: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

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Get medical advice/attention if you feel unwell.

Eye contact

Get medical advice/attention if you feel unwell.

Ingestion

Get medical advice/attention if you feel unwell.

Most important symptoms/effects, acute and delayed:

Not available

Indication of immediate medical attention and special treatment needed, if necessary:

Treat according to the symptoms.

5. Fire-fighting measures

Suitable extinguishing media

All extinguishing agents

Unsuitable extinguishing media

Not available

Specific hazards arising from the chemical

Fire may produce irritating, corrosive and/or toxic gases.

Special protective actions for fire fighters

Move containers from fire area if you can do it without risk.

Be careful not to cause environmental pollution by the outflow of fire extinguishing agent or dilution water.

Wear proper protective equipment. Extinguish fire from windward as much as possible.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Workers must wear appropriate protection equipment (see Section 8) and work from upwind.

Isolate the site as a leak area by providing a zone that has an appropriate width to all directions.

Prohibit unauthorized entry into the area.

Environmental precautions

Avoid release to the environment.

Methods and materials for containment and cleaning up

Stop leak if you can do it without risk.

Collect spillage as much as possible.

7. Handling and storage

Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapours/spray.

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Wash contaminated areas thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Persons with a history of allergies must not handle it.

Conditions for safe storage, including any incompatibilities

Store locked up.

8. Exposure controls/personal protection

Control Parameters/Occupational Exposure Limits

Singapore Not available

ACGIH Not available

Biological Limits Not available

Appropriate engineering control measures

It is recommended to properly install local exhaust device, closed system or full ventilation equipment.

Provide showers, hand-wash and face-wash stations in the workplace and display the position clearly.

Individual protection measures, such as personal protective equipment (PPE)

Respiratory protection Wear face protection as necessary.

Hand protection Wear protective gloves as necessary.

Eye protection Wear eye protection as necessary.

Skin and body protection Wear protective clothing and safety shoes as necessary.

9. Physical and chemical properties

Appearance (physical state, colour etc.) Orange liquid

Odour Characteristic odour

Odour threshold Not available

pH 6-9

Melting point/freezing point Not available

Initial boiling point and boiling range Not available

Flash point Non-flammable

Evaporation rate Not available

Flammability (solid, gas) Not available

Upper/lower explosive Upper: Not available;

limits/flammability limit Lower: Not available

Vapour pressure Not available

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Relative vapour density	Not available
Density and/or relative density	1.0-1.2
Solubility	Easily soluble in water
Partition coefficient: n-octanol/water(Log value)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Kinematic viscosity	Not available
Viscosity	3-6 mPa·s (25°C)
Particle characteristics	Not available

10. Stability and reactivity

Reactivity

Not available

Chemical stability

Stable under normal handling conditions.

Possibility of hazardous reactions

May react with incompatible materials.

Conditions to avoid

Avoid heat, high temperatures, flames, sparks, and sources of ignition.

Incompatible materials

Oxidisers, strong oxidisers, reducing agents, acids, strong acids, alkalis, strong alkalis.

Hazardous decomposition products

Combustion may produce carbon monoxide, carbon dioxide, nitrogen oxides, and other harmful gases.

11. Toxicological information

Acute toxicity

Oral:

Not available

Dermal:

Not available

Inhalation:

Not available

Skin corrosion/irritation

Not available

Serious eye damage/irritation

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Not available

Respiratory sensitisation

Not available

Skin sensitisation

Category 1

Germ cell mutagenicity

Not available

Carcinogenicity

Not available

Reproductive toxicity

Not available

Specific target organ toxicity (single exposure)

Category 1 (Central nervous system, blood system)

Specific target organ toxicity (repeated exposure)

Category 1 (Central nervous system, respiratory organs)

Aspiration hazard

Not available

12. Ecological information

Toxicity

Not available

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Other adverse effects

Not available

13. Disposal considerations

Disposal methods:

Waste disposal of chemicals:

Dispose of contents in accordance with local/regional/national/ international regulations.

Entrust an industrial waste processor licensed by the local government, etc. or a local administration that handles the business to dispose.

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Waste disposal of contaminated packaging:

Dispose of container in accordance with local/regional/national/ international regulations.

Entrust an industrial waste processor licensed by the local government, etc. or a local administration that handles the business to dispose.

14. Transport information

UN number Not applicable

UN proper shipping name Not applicable

Transport hazard class(es) Not applicable

Packing group Not applicable

Marine pollutant (Yes/No) No

Transport in bulk (according to IMO Not applicable

instruments)

Special precautions

Make sure that there is no leakage of containers during transporting.

Prevent containers from overturning, falling and being damaged during loading. Prevent the cargo from collapsing.

15. Regulatory information

No main regulation

16. Other information

Abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists

Warranty:

The information provided in this SDS are based on currently available materials, information, and other data, however, we cannot assume any liability for the accuracy of the information contained. All chemical products may have unknown, potentially hazardous characteristics. It is recommended that handling should be done with caution.

The sign "-" included in the above means no relevant information.