

1. Identification

Product identifier	Sb411 Orange T
Other means of identification	Not available
Product code	SB411-ORT-2L
Recommended use of the chemical and restrictions on use	
Recommended use	Water-based disperse dye ink
Restrictions on use	For use as ink jet printing ink only
Chemical manufacturer, importer, or other responsible party(local)	
Company name	MIMAKI USA, INC.
U.S. address	4851 Thurmon Tanner Parkway, STE 100 Flowery Branch, GA 30542, U.S.A.
U.S. telephone number	+1-678-730-0170
Manufacturer	
Company name	MIMAKI ENGINEERING CO., LTD.
Address	2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN
Telephone number	+81-268-64-2413
Emergency phone number	+1 866 928 0789 (within United States only, Toll free) +1 215 207 0061

2. Hazard identification

GHS classification	
Skin sensitization	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".

Label content

Hazard pictogram or symbol



Signal word Danger

Hazard statement(s)

Safety Data Sheet

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 statement(s)

Prevention

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

Wash contaminated areas thoroughly after handling.

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

Contaminated work clothing must 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 the 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.

Hazard not otherwise classified (HNOC):

Not available

Hazards of chemical reaction products associated with known or reasonably anticipated uses or applications:

Not available

3. Composition/information on ingredients

Distinction of substance or mixture: Mixture

Chemical name	Common name(Synonyms)	CAS number or other unique identifier	Content or concentration range
Water	Not available	7732-18-5	50-60%
12H-Phthaloperin-12-one	Not available	6925-69-5	3-7%
1,2-Propanediol	Propylene glycol	57-55-6	7-13%

Safety Data Sheet

1,2,3-Propanetriol	Glycerine	56-81-5	10-20%
Sodium hydroxide (Na(OH))	Not available	1310-73-2	<0.1%
Others	Not available	Trade secret	10-20%
Note: The specific chemical identity, and/or concentration (exact or range) of the composition has been withheld as a trade secret.			

4. First aid measures

Description of necessary 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.

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 equipment and precautions 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 (refer to 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.

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/vapors/spray.

Wash contaminated areas thoroughly after handling.

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

Contaminated work clothing must 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

Occupational exposure limits

OSHA (PELs)

1,2,3-Propanetriol TWA 15 mg/m³(Total dust)

1,2,3-Propanetriol TWA 5 mg/m³(Respirable fraction)

Sodium hydroxide (Na(OH)) TWA 2 mg/m³

ACGIH (TLVs)

Sodium hydroxide (Na(OH)) STEL (C) 2mg/m³

Biological limits

ACGIH Not available

Appropriate engineering controls

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.

Personal protective equipment

Respiratory protection Wear face protection as necessary.

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Hand protection	Wear protective gloves as necessary.
Eye/face protection	Wear eye protection as necessary.
Skin protection	Wear protective clothing and safety shoes as necessary.

9. Physical and chemical properties

Physical state	Liquid
Color	Orange
Odor	Characteristic odor
Odor threshold	Not available
pH	6-9
Melting point/freezing point	Not available
Boiling point (or initial boiling point or boiling range)	Not available
Flash point	Non-flammable
Evaporation rate	Not available
Flammability	Not available
Lower and upper explosion limit/flammability limit	Upper: Not available; Lower: Not available
Vapor pressure	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
Viscosity	3-6 mPa·s (25°C)
Kinematic viscosity	Not available
Relative vapor density	Not available
Particle characteristics	Not available

10. Stability and reactivity

Reactivity

Not available

Chemical stability

Stable under normal handling conditions.

Possibility of hazardous reactions, including those associated with foreseeable emergencies

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May react with incompatible materials.

Conditions to avoid

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

Incompatible materials

Oxidizers, strong oxidizers, 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

No alternative information is used.

Acute toxicity**Oral**

Not available

Dermal

Not available

Inhalation

Not available

Skin corrosion/irritation

Not available

Serious eye damage/irritation

Not available

Respiratory sensitization

Not available

Skin sensitization

Category 1

Germ cell mutagenicity

Not available

Carcinogenicity

Not available

OSHA: Not Listed

IARC: Not Listed

NTP: Not Listed

Reproductive toxicity

Not available

Specific target organ toxicity (Single Exposure)

Category 1 (central nervous system, blood system)

Safety Data Sheet

Specific target organ toxicity (Repeated Exposure)

Category 1 (central nervous system, respiratory organs)

Aspiration hazard

Not available

12. Ecological information

Ecotoxicity

Not available

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Other adverse effects

Not available

13. Disposal considerations

Remaining wastes

Dispose of contents/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.

Contaminated container and packaging

Dispose of contents/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

Safety Data Sheet

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

Occupational Safety and Health Act

Air contaminants 1,2,3-Propanetriol / Sodium hydroxide (Na(OH))

Highly hazardous chemicals Not applicable

CERCLA Regulation Sodium hydroxide (Na(OH)) (1000 (454) pounds (Kg))

EPCRA 302 Regulation Not regulated

EPCRA 304 Regulation Sodium hydroxide (Na(OH)) (1000 (454) pounds (Kg))

EPCRA 313 Regulation Not regulated

California Proposition 65 Not regulated under California Proposition 65

16. Other information

Notice to reader:

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 above means no relevant information.