

## Safety Data Sheet (SDS)

Preparation Date 2019/12/13

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## Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	P-400MP-A
Product Code	P11210-AA12251
Reference Number	P1121011914-3
Company Name	Nagase ChemteX Corporation
Address	236, Tatsunocho-nakai, Tatsuno, Hyogo, Japan
Company Contact	Nagase ChemteX Corporation
Phone Number	+81-791-63-9087
Fax Number	+81-791-63-9625
Emergency Phone Number	+81-791-62-0862

## Section 2 – HAZARDS IDENTIFICATION

## GHS Classification

Health Hazards	Serious eye damage/eye irritation Category 1 Germ cell mutagenicity Category 1B Reproductive toxicity Category 1A Specific target organ toxicity (repeated exposure) Category 2(liver) Other hazards than mentioned above are Not applicable or No data available.
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## GHS Label Elements

## Symbols



Signal Word	Danger
Hazard Statements	H318 Causes serious eye damage H340 May cause genetic defects H360 May damage fertility or the unborn child H373 May cause damage to liver through prolonged or repeated exposure
Precautionary Statements	
Prevention	Do not handle until all safety precautions have been read and understood.(P202)
Precautionary Statements	Avoid breathing mist, vapours, spray, dust and fume.(P261) Wear protective gloves, protective clothing and eye protection.(P280)
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338) IF exposed or if you feel unwell: Call a doctor.(P309+P311) Immediately call a doctor.(P310) Get medical advice and attention if you feel unwell.(P314)
Precautionary Statements	



Environmental	<p>Wear appropriate personal protective equipment (Refer to "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION") and avoid inhalation or contact with eyes and skin.</p> <p>Keep out of low areas.</p> <p>Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.</p> <p>Do not release into the environment.</p> <p>Pay attention not to cause the influence on the environment by discharging into rivers.</p> <p>All equipment used when handling the product must be grounded.</p>
Methods and Equipment for Containment and Cleaning up	<p>After removal, flush contaminated area thoroughly with water.</p> <p>For small amount of spills, collect spillages into empty container which can be sealed after absorbing with waste cloth, dry sand, absorbent etc.</p> <p>Large spills; prevent flowing out with a dike and collect it at a safe place.</p> <p>Flush a floor fully. Neutralize rinsing water after rinsing, if needed.</p>
Prevention Measures for Secondary Accidents	<p>Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area).</p> <p>Prevent flowing into drain, sewage, basement, and closed area.</p>

**Section 7 – HANDLING AND STORAGE**

Handling	<p><b>Technical Measures</b> Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION".</p>
Precautions for Safe Handling	<p>Do not handle until all safety precautions have been read and understood.</p> <p>Prohibit use of heat, sparks, and fire in the surrounding area.</p> <p>Wash hand thoroughly after handling.</p> <p>Handle at a well-ventilated place.</p> <p>Do not get in eyes, on skin or on clothing.</p> <p>Do not breath mist, vapors, spray, dust or fume.</p> <p>Do not swallow.</p>
Prevents Handling of Incompatible Substances or Mixtures	<p>Refer to "Section 10 – STABILITY AND REACTIVITY".</p>
Specific Hygiene Measures	<p>Wash hand thoroughly after handling.</p>
Storage Precautionary Statements	<p>Storage may be subjected to national, state, or local laws.</p>
Conditions for Safe Storage	<p>Refer to "Section 10 – STABILITY AND REACTIVITY".</p> <p>Keep away from direct sunlight, high temperature and high humidity.</p> <p>Keep in a well-ventilated place. Keep container tightly closed.</p>

Material Used in Packaging/Container

Keep in a cool place or at the designated storage temperature. Keep in a dark place.  
Follow all regulations in your country.  
Keep only in the original container.

## Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Japan Administration  
Level/Exposure Limits

	Japan Administration Level	Exposure Limits (Japan Society for Occupational Health)	Exposure Limits (ACGIH)
1-Propanol	—	—	TWA 100 ppm, STEL –
Ethanol	—	—	TWA –, STEL 1000 ppm

Engineering Controls

Facilities storing or utilizing this product should be equipped with an eyewash facility and safety shower.

Handle at the workplace in which the suitable ventilator was installed.

Personal Protective Equipment

Respiratory Protection

Wear an adequate protective apparatus for respiratory organs.

Hand Protection

Use personal gloves as required.

Wear protective gloves.

Use impervious glove.

Eye Protection

Wear eye protection.

Goggles (ordinary glass type with side shields, and goggle type)

Skin and Body Protection

Wear a protective equipment for the face.

Use the personal protective clothing whenever necessary.

Wear suitable protective clothing.

Use impervious protective clothing(e.g. apron, rubber boots etc.) if needed.

## Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form

liquid

Colour

deep blue

Odour

no

Odour threshold

no data available

pH

no data available

Melting Point/Freezing Point

no data available

Initial Boiling Point and Boiling Ranges

no data available

Flash Point

Not ignited

Evaporation Rate

no data available

Flammability (solid, gas)

no data available

Flammability or Explosive Limits

Lower Limit

no data available

Upper Limit

no data available

Vapour Pressure

no data available

Vapour Density

no data available

Specific Gravity (Density)

no data available

Solubility

no data available

Partition Coefficient : n-Octanol/Water

no data available

Auto-Ignition

no data available

Decomposition Temperature		no data available
Viscosity		no data available
<b>Section 10 – STABILITY AND REACTIVITY</b>		
Chemical stability and Reactivity		The material is stable under storage and handling conditions comprised with the regulations.
Possibility of Hazardous Reaction		No data available
Conditions to Avoid		High-temperature material. Spark. Naked flame.
Hazardous Decomposition Products		No data available
<b>Section 11 – TOXICOLOGICAL INFORMATION</b>		
Acute Toxicity		No information available
<b>Section 12 – ECOLOGICAL INFORMATION</b>		
Ecotoxicity		No information available
Hazardous to the ozone layer		No information available
<b>Section 13 – DISPOSAL CONSIDERATIONS</b>		
Residual Waste		Discharge, treatment, or disposal may be subjected to national, state, or local laws. Incinerate in small portions with an incinerator or entrust to an industrial waste disposal company approved by the local authority. When destroying by fire, burn the waste in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated Container and Packaging		If possible, clean up and recycle. Or perform suitable processing in accordance with regulation. Remove residual contents completely before an empty container is discarded.
<b>Section 14 – TRANSPORT INFORMATION</b>		
International Regulations	Regulatory Information by Sea	Not applicable
	Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code	Not applicable
	Regulatory Information by Air	Not applicable
Specific Safety Measures		Check the container for any leaks and breakages. Load up carefully to prevent a fall, a overturning and a breakage. Carry out prevention to unloading of cargo. Do not wet container. Do not handle roughly.
<b>Section 15 – REGULATORY INFORMATION</b>		
		Follow all regulations in your country.
<b>Section 16 – OTHER INFORMATION</b>		
Information Contact		See "Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION".
Literature References		• GHS LOGIST (SDS Authoring Systems) / Japan Chemical Database Ltd.

- Chemical Risk Information Platform (CHRIP) / National Institute of Technology and Evaluation (NITE)
- Online SDS Information / Ministry of Health, Labour and Welfare (JAPAN)
- ezADVANCE / Japan Chemical Database Ltd.
- ChemWatch online ChemGold
- SDS information of raw materials

Other Property

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. And is not to be considered a warranty or quality specification.