

Safety Data Sheet (SDS)

Preparation Date 2015/10/19

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Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier DENATRON P-560ST
 Product Code P11210-AA8315
 Reference Number P112107770-4
 Company Name Nagase ChemteX Corporation
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Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Physicochemical Hazards Flammable liquids Not classified

Other hazards than mentioned above are Not applicable or No data available.

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture

Mixture

Chemical Name or Generic Name	Concentration or Its Ranges	Formula	ENCS No./ISHL No.		CAS RN
			ENCS No.	ISHL No.	
Poly(3,4-ethylendioxythiophene) sulfonate	0.1~5%	—	Trade secret	—	155090-83-8
Water	≥90%	—	—	—	7732-18-5

Impurities and/or Stabilizing Additives which Contribute to the Classification

No information available

Section 4 – FIRST AID MEASURES

Inhalation

If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing.

Skin Contact

Call a doctor if you feel unwell.

Call a doctor if you feel unwell.

Wash the skin with flowing water or shower.

If skin irritation or rash occurs, get medical advice and attention.

Eye Contact

When the ocular stimulation lasts, Seek medical treatment and advice.

Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards.

Ingestion

Rinse a mouth. Don't make vomit by force.

Get medical treatment and advice.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Foam. Carbon dioxide. BCF (where regulations permit). Dry chemical powder. Dry sand.

Specific Fire Fighting

Move containers from fire area if you can do it without risk.
Cool containers with flooding quantities of water until well after fire is out.
Use extinguishing agent suitable for type of surrounding fire.

Protection of Fire Fighter

In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Do not touch or walk through spilled material.

Isolate the site as a leak area by providing a zone that has an appropriate width to all directions.
Keep unauthorized personnel away.
Stay upwind.

Wear appropriate personal protective equipment (Refer to "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION") and avoid inhalation or contact with eyes and skin.

Keep out of low areas.

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental

Do not release into the environment.

Pay attention not to cause the influence on the environment by discharging into rivers.

Methods and Equipment for Containment and Cleaning up

All equipment used when handling the product must be grounded.

After removal, flush contaminated area thoroughly with water.

For small amount of spills, collect spillages into empty container which can be sealed after absorbing with waste cloth, dry sand, absorbent etc.

Large spills; prevent flowing out with a dike and collect it at a safe place.

Flush a floor fully. Neutralize rinsing water after rinsing, if needed.

Prevention Measures for Secondary Accidents

Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area).

Prevent flowing into drain, sewage, basement, and closed area.

Section 7 – HANDLING AND STORAGE

Handling

Technical Measures

Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION".

Precautions for Safe Handling

Prohibit use of heat, sparks, and fire in the surrounding area.

Wash hand thoroughly after handling.

Do not get in eyes, on skin or on clothing.

Do not breath mist, vapors, spray, dust or fume.

Do not swallow.

Storage Precautionary Statements	Prevents Handling of Incompatible Substances or Mixtures	Refer to "Section 10 – STABILITY AND REACTIVITY".
	Specific Hygiene Measures	Wash hand thoroughly after handling.
	Conditions for Safe Storage	Storage may be subjected to national, state, or local laws. Refer to "Section 10 – STABILITY AND REACTIVITY". Keep away from direct sunlight, high temperature and high humidity. Keep in a well-ventilated place. Keep container tightly closed. Keep in a cool place or at the designated storage temperature. Keep in a dark place.
	Material Used in Packaging/Container	Follow all regulations in your country. Keep only in the original container.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Form	liquid (dispersion)
	Colour	deep blue
Odour		almost odorless
Odour threshold		no data available
pH		6 ~ 9
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

Section 10 – STABILITY AND REACTIVITY

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

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	No information available
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Section 12 – ECOLOGICAL INFORMATION

Ecotoxicity	No information available
Hazardous to the ozone layer	No information available

Section 13 – DISPOSAL CONSIDERATIONS

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.

Section 14 – TRANSPORT INFORMATION

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 unpling of cargo. Do not wet container. Do not handle roughly.

Section 15 – REGULATORY INFORMATION

Follow all regulations in your country.

Section 16 – OTHER INFORMATION

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.