

Safety Data Sheet

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name PTG 2900SN
 Name of Supplier HODOGAYA CHEMICAL CO., LTD.
 Address 2-4-1, Yaesu, Chuo-ku, Tokyo Japan 104-0028
 Company Contact Functional Chemicals Division
 Phone Number +81-3-5299-8100
 Fax Number +81-3-5299-8291
 E-Mail Address functional@hodogaya.co.jp
 Emergency Phone Number +81-834-61-3636(Nanyo Plant)
 Recommended use of the chemical Polymer Material
 Restrictions on use Following instructions given by the supplier in this SDS.

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Physicochemical Hazards No data available for GHS classification.
 Health Hazards
 Acute toxicity – oral Not Classified
 Acute toxicity – dermal Not Classified
 Environmental Hazards No data available for GHS classification.

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture substance
 Generic name or common chemical name Polytetramethylene ether glycol (MW 2800~3200)

Generic name or common chemical name	Concentration or Concentration Range	CAS No.
Polytetramethylene ether glycol	>=99.9 %	25190-06-1
Antioxidant	<=0.04 %	Secret information

In the ingredients other than the above, hazardous substances which contribute to GHS classification are not identified.

US HCS

In accordance with paragraph (i) of § 1910.1200, the specific chemical identify and /or exact percentage of composition has been withheld as a trade secret

Section 4 – FIRST AID MEASURES

Inhalation Move affected person to the open air. Keep him or her at rest to allow easier breathing.
 Call a doctor if you feel unwell.
 Skin Contact Wash with water and soap.
 When skin stimulation occurs, seek medical treatment and advice.
 Eye Contact Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards.
 When the ocular stimulation lasts, Seek medical treatment and advice.
 Ingestion Rinse mouth.
 Call a doctor if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media	Dry chemicals, general foam extinguishing agents, carbon dioxide, sand, and water spraying Use an appropriate extinguishing agent according to fire in surrounding area.
Unsuitable Extinguishing Media	Jet water
Specific Hazards	Burns if heated intensely. May generate irritating and/or toxic gas in a fire.
Specific Fire Fighting	Remove containers from the fire area if not dangerous. After a fire extinguished, cool down containers with plenty of water. Carry out fire-fighting at the safe and effective distance from the fire, or use an unattended hose-holding unit, or a nozzle with a monitor. In large fire, use an unattended hose-holding unit, or a nozzle provided with a monitor, for extinguishing. If unavailable, evacuate from the fire place, and let it burn. Use an appropriate extinguishing agent applicable to the type of fire. In case of fire in the surrounding area, remove containers instantly to safe place, if movable. But never move the containers exposed to heat.
Protection of Fire Fighter	In fire-extinguishing activity, wear an appropriate air breathing apparatus and full protective clothing for chemicals

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	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. Wear appropriate personal protective equipment (Refer to "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION") and avoid inhalation or contact with eyes and skin. Stay on the windward. Leave from the low ground. If not wearing an appropriate personal protective clothing, do not touch the damaged container and leakage. Ventilate the closed area.
Environmental Precautions	Pay attention not to cause the influence on the environment by discharging into rivers.
Methods and Materials for Containment and Cleaning up	If not dangerous, stop the leak. Small amount: Prevent the material from wetting by rain. Cover with dry soil, dry sand, or non-combustibles and store under a plastic sheet cover to avoid scattering and wetting. Solidify substances and scrape off. Cleansing the contaminated area thoroughly with water after removal. Damp with water and decrease dust in the air and prevent scattering. Collect the material into a disposal container by sucking up or sweeping up. Absorb spills with inert materials (such as dry sand or soil) and collect them into chemical-waste disposal container. Remove from water surface by skimming, or absorbing with an adequate absorbent. Absorb or cover with dry soil, sand, or incombustible materials. Then collect them into a container. In case of small quantity, collect the leakage with clean and anti-static tools into a loosely covered plastic container and dispose of it, later. In case of small quantity, absorb the leakage with dry soil, sand, and incombustible-material or

collect it into a container that can be covered tightly for later disposal.

Prevention Measures for Secondary Accidents	Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area) Do not put water into a container. Prevent dispersion by covering with plastic sheets. Remove thoroughly since the smooth and slippery surface will be formed on the floor.
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Section 7 – HANDLING AND STORAGE

Handling	Technical Measures	Provide ventilation system and Use necessary personal protective equipment as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION." Provide local ventilations and a full ventilation system as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION."
	Precautions for Safe Handling	Flammable! Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid swallowing Avoid the contact with the skin.
	Avoidance of contact with incompatible materials	Refer to "10. STABILITY AND REACTIVITY"
	Specific Hygiene Measures	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Storage Precautionary Statements	Conditions for Safe Storage	Store away from oxidants. Store in a tightly closed container. Protect from sunlight. Do not expose to temperatures exceeding 50 °C. The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods. The roof of a storage facility should be made of a non-combustible material and use metals or other lightweight non-combustible materials. No ceiling should be installed. The storage floor should be protected from water penetration, or should have water-proof construction. The storage floor should have penetration-proof construction against dangerous goods and be inclined adequately. A proper sump should be provided to catch any spills. Refer to "10. STABILITY AND REACTIVITY"
	Safe Materials used in Packagings/Containers	Use the containers prescribed in the "Fire Service Law (Japan)" Steel drum

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits	OSHA permissible exposure limit (PEL)	Not available
	ACGIH Threshold Limit Value (TLV)	Not available
	Other exposure limits	Not available
Engineering Controls	Use with a local exhaust ventilation in indoor workshop.	

A facility to store or handle this product should be provided with an eye washing station and an emergency shower station.

Personal Protective Equipment	Respiratory Protection	If ventilation is insufficient, wear an adequate protective apparatus for respiratory organs.
	Hand Protection	Wear adequate personal protective gloves. Rubber or plastic gloves
	Eye Protection	Use an adequate personal eye protector. Goggles (ordinary glass type, ordinary glass type with side shields, and goggle type)
	Skin and Body Protection	Wear the personal protective clothing.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Appearance	solid
	Physical State	Solid wax (20°C)
	Colour	Wax-like White Solid (20°C)
Odour		Slightly odor like ethers
Odour threshold		No information
pH		Not available
Melting Point		22~30°C
Boiling point, initial boiling point and boiling Range		≥204°C
Flash Point		≥260°C
Evaporation rate		No information
Flammability		Flammable
Upper/lower flammability or explosive limits		No information
Vapor pressure		No information
Vapor density		No information
Relative density		0.97~0.98g/cm ³ 40°C
Solubility		Soluble in Aromatic solvents, Chlorinated organic solvent, Alcohols, Esters, Ketones
Partition coefficient: n-octanol/water		No information
Auto-ignition temperature		No information
Decomposition temperature		No information
Viscosity		No information

Section 10 – STABILITY AND REACTIVITY

Reactivity	No information available
Chemical Stability	Stable under normal conditions. Excess heat will cause oxidative degradation.
Possibility of Hazardous Reactions	Be decomposed in the presence of Strong acid.
Conditions to Avoid	Direct sunlight, Flame.
Incompatible materials	Strong acid Fire, Overheating, Oxygen, and Strong oxidant agents
Hazardous Decomposition Products	Tetrahydrofran Toxic gases (carbon monoxide, nitrogen oxides)will form upon combustion

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral	LD50	rat	>18,830mg/kg	
Oral evidence	The acute toxicity of the product >2,000mg/kg Not Classified			

Dermal	LD50	rat	>10,250mg/kg	
Dermal evidence	The acute toxicity of the product >2,000mg/kg Not Classified			

Section 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION No information available

Section 13 – DISPOSAL CONSIDERATIONS

Residual Waste	Commission the authorized waste disposal company, or a local public body who conducts the disposal, to dispose of the material.
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Contaminated Container and Packaging	Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.
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Section 14 – TRANSPORT INFORMATION

Not regulated for transport under DOT, ADR, IATA or IMDG regulations.

Emergency Response Guide Number 133

Section 15 – REGULATORY INFORMATION

Follow all regulations in your country.

Section 16 – OTHER INFORMATION

Literature References	"GHS Logist" Japan Chemical Database Ltd.
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Other Property	To the best of our knowledge, the information contained herein is accurate. However, neither Hodogaya Chemical Co., Ltd. nor any subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used in caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.
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