



MATERIAL SAFETY DATA SHEET

Vastreat 78

SECTION 1- MANUFACTURER'S INFORMATION:

Manufactured by: Vasudev Chemo Pharma, Plot: 328/329, Near Asian Paint Chowkdi, GIDC, Ankleshwar, 393002
 Bharuch - Gujarat Mobile no. +91 9898837713
 Email : info@vasudevchemopharma.com

SECTION 2- HAZARDOUS INGREDIENTS

Chemical Name: Hexahydro-1,3,5-Tris (2-Hydroxyethyl)-S-triazine
Chemical Family: Triazine
Formula:

Composition:

Hexahydro-1,3,5-Tris (2-Hydroxyethyl)-S-triazine	CAS NO. 4719-04-4	Proprietary compo.
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SECTION 3- HAZARDS IDENTIFICATION

Appearance	Colourless to yellow clear liquid
Eyes	May causes eye burns. May cause chemical conjunctivitis and corneal damage.
Skin	May cause skin burns, skin sensitization, an allergic reaction
Ingestion	May cause irritation to mouth and stomach. Repeated ingestion can cause brain damage
Inhalation	Causes chemical burns to the respiratory tract.
Signs and Symptoms of Overexposure	Eyes: Redness and possible itching. Skin: Redness and/or itching of the skin Ingestion: Possible nausea and/or vomiting. Inhalation: Possible coughing, burning, tightness of chest and/ or shortness of breath.
Carcinogenicity	Not listed by OSHA
Mutagenicity	No data available

SECTION 4- FIRST AID MEASURES:

Eyes:	Flush with running water for at least fifteen minutes. Get medical aid.
Skin:	Wash thoroughly with water for min. 15 minutes. Remove contaminated clothing and clean before reuse. If irritation persists get medical aid.
Ingestion:	Wash out mouth with water. Get immediate medical aid. Do not induce vomiting.
Inhalation:	Remove from further exposure. Keep warm and at rest. If cough or other symptoms develop, seek medical attention immediately.

SECTION 5- FIRE FIGHTING MEASURES:

Flash Point (C):	>201 degree F
Flammable Limits:	Not established
Autoignition Temperature:	Not available
Flammable Class:	Combustible liquid
Flame Propagation or Burning rate of Solids:	Not available
General Hazard:	Evacuate personnel downwind of fire to avoid inhalation of irritating and /or harmful fumes and smoke.
Extinguishing Media:	Water fog, Chemical-type foam, carbondioxide.
Hazardous Combustion products:	Oxides of carbon and noxious fumes
Fire fighting procedures:	Hazardous decomposition and combustion products may be formed in fire situation. Cool exposed containers with water spray to prevent overheating.
Fire Fighting Equipment:	Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (bunker gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of a SCBA may not be required.
Sensitive to static Discharge:	Not Available
Sensitivity to Impact:	Not available

SECTION 6- ACCIDENTAL RELEASE MEASURES:

Small Spill:	Clean up the spills immediately wearing the appropriate equipment designated in Section 8, move the leaking container to a containment area. Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container and dispose of at an appropriate waste disposal facility according the current applicable laws and regulations and product characteristics at time of disposal.
Large Spill:	Clean up the material immediately wearing the appropriate equipment designated in Section 8. Absorb on a porous, inert material and transfer to a closed container. Prevent entry into sewers, basements or confined areas. Dispose of at an appropriate waste disposal facility according the current applicable laws and regulations and product characteristics at time of disposal.
Environmental Precautions	Water spill: Use appropriate containment to avoid runoff or release to sewer or waterways. Land spill: Use appropriate containment to avoid runoff or release to ground. General Procedures: remove containers of strong Acids form the release area.
Release Notes:	If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities.

SECTION 7- HANDLING AND STORAGE:

Handling:	Use appropriate personal protective equipment as specified in Section 8. Handle in a well-ventilated area. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.
Storage:	Store in cool and dry conditions. Store away form strong acids.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION:

Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Personal Protective Equipment	Eyes and Face: Wear safety glasses with side shields or goggles when handling this material. Skin: To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate. Respiratory: Generally not required. If necessary use Self Contained Breathing apparatus (SCBA).
Work Hygienic Practices:	Facilities storing or using this material should be equipped with eyewash facility and a safety shower. Good personal hygiene practices should always be followed.
Comments:	It contains no known hazardous ingredients.

SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Liquid
Odour:	Characteristic
Appearance:	Clear liquid
Colour:	Colourless to yellow
pH 5 % w/w	10-11
Vapour Pressure:	Not available
Vapour Density:	Estimated lighter than air
Boiling Point:	>212F
Freezing Point	NA
Melting Point	NA
Solubility in water	Soluble
Evaporation Rate:	NA
Specific gravity at 25 ± 2°C	1.100 – 1.150
Molecular Formula	C ₉ H ₂₁ N ₃ O ₃
Molecular Weight	219.33
Coeff. Oil/water	Not Applicable

SECTION 10- STABILITY AND REACTIVITY:

Stability:	The product is stable under normal ambient conditions of temperature and pressure.
Polymerization:	Will not occur
Hazardous Decomposition Products	Nitrous Oxides and ammoniacal vapours.
Exposure time	Upto 4 Hours
Observation time	Upto 14 Days
Incompatible materials:	Strong Acids and oxidizing agents

SECTION 11- TOXICOLOGICAL INFORMATION:

Oral LD₅₀ (rabbit):	>20,000 mg/kg
Oral-Rat LD₅₀:	763 mg/kg
Skin rat LD₅₀:	>2gm/kg
Eye Effects:	May cause significant irritation to the eyes.
Skin Effects:	May cause significant irritation to the skin.
Target Organs	Eyes Skin Gastrointestinal tract
Carcinogenicity:	Not Available

Mutagenicity:	Not Available
Reproductive Effects:	Not Available
Teratogenic Effects:	Not available

SECTION 12- ECOLOGICAL INFORMATION:

Ecological Information: May cause environmental impact if material reaches waterways.

Ecotoxicological Information: Not Available

Distribution: Not Available

Chemical Fate Information: Not Available

SECTION 13- DISPOSAL CONSIDERATIONS:

Disposal Method	:	Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.
For Large Spills	:	Contain material and call local authorities for emergence assistance.
Product Disposal	:	Dispose of at a supervised incineration facility or an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.
Empty Container	:	Contaminated container should be cleaned and disposed of in the as the product in accordance with applicable regulations.
General Comments	:	Refer to section 6, Accidental Release Measures for additional information.

SECTION 14- TRANSPORT INFORMATION:

DEPT. OF TRANSPORTATION	:	UN 3267
DOT CLASSIFICATION	:	8
DOT PROPER SHIPPING NAME	:	CORROSIVE LIQUID, BASIC, ORGANIC, n.o.s, (Triazine)
OTHER DOT INFORMATION	:	PG III

SECTION 15- REGULATORY INFORMATION:

HEALTH: 3 **FIRE:** 0 **REACTIVITY:** 1

SECTION 16- OTHER INFORMATION:

NONE

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