

INDOFIL CHEMICALS COMPANY
 KOLSHET, OFF SWAMI VIVEKANAND ROAD,
 AZAD NAGAR, SANDOZ BAUG P.O.,
 THANE – 400 607. MAHARASHTRA (INDIA)
 TEL. NO. : 00-91-22-6799 9100
 FAX NO. : 00-91-22-2589 83 57 / 59



MATERIAL SAFETY DATA SHEET

2-R&D-MSDS-AGRO-FP- 404

SECTION 1. PRODUCT IDENTIFICATION		
Chemical Name	N-(phosphonomethyl)glycine Isoproylamine salt	Company Identification INDOFIL CHEMICALS COMPANY KOLSHET, OFF SWAMI VIVEKANAND ROAD, AZAD NAGAR, SANDOZ BAUG P.O., THANE – 400 607. MAHARASHTRA (INDIA) TEL. NO. : 00-91-22-6799 9100 FAX NO. : 00-91-22-2589 83 57 / 59
Trade Name	Clean Up	
Synonyms	GLYCEL 41% SL	Chemical classification:
IUPAC	NA	
CAS Number	NA	
Formula	NA	

SECTION 2. COMPOSITION / INFORMATION OF INGREDIENTS

COMPONENT NAME	CAS REGISTRY NO	CONCENTRATION
N-(phosphonomethyl)glycine Isoproylamine salt	38641-94-0	41%

SECTION 3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Physical state : Liquid
 Colour : Colourless
 Odor : Odourless

Skin, eye and respiratory irritant.

IMMEDIATE HEALTH EFFECTS

Eye contact	Moderately irritation to eyes.
Skin contact	Prolonged or repeated skin contact may cause irritation.
Ingestion	NA
Inhalation	NA

DELAYED OR OTHER HEALTH EFFECTS

Target organs	-----
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An "X" in the box adjacent to the hazard title indicates OSHA Hazard classification. If no "X" is present, the product does not exhibit the hazard as defined in the OSHA Hazard Communication standard (29 CFR 1910.1200)

OSHA Health Hazard Classification	OSHA Physical Hazard Classification
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Toxic <input type="checkbox"/>	Highly Toxic <input type="checkbox"/>	Flammable <input type="checkbox"/>	Oxidizer <input type="checkbox"/>
Irritant <input type="checkbox"/>	Sensitizer <input type="checkbox"/>	Combustible <input type="checkbox"/>	
Corrosive <input type="checkbox"/>	Carcinogenic <input type="checkbox"/>	Explosive <input type="checkbox"/>	Organic Peroxide <input type="checkbox"/>
		Pyrophoric <input type="checkbox"/>	unstable <input type="checkbox"/>
		Organic peroxide <input type="checkbox"/>	water-reactive <input type="checkbox"/>

SECTION 4 : FIRST AID MEASURES

Eye	Flush eyes with plenty of water for at least 15 minutes and see doctor. Water immediately while holding with eyelids open. Do not apply neutralizing agents.
Skin	Remove contaminated clothing, wash skin with soap and plenty of water and see doctor.
Ingestion	If swallowed, dilute by giving lots of water to drink and call a doctor. Never give it by mouth to an unconscious person. Give activated charcoal.
Inhalation	Move subject to fresh air & rest and see doctor.
Notes to physician	

SECTION 5 : FIRE FIGHTING MEASURES

NFPA Flammability Classification	Non combustible
NFPA RATINGS	Health: 1 Flammability :1 Reactivity: 1
OSHA classification	

Flash point	NA
Flammability (Explosive limits)	NA
Auto ignition Temperature	NA
Hazardous Combustion products	Release of toxic & corrosive gases / vapours (phosphine, phosphorous oxide, nitrous vapours, carbon oxides)
Extinguishing Media	All extinguishing media allowed.
Protection of Fire Fighters	Wear NIOSH / MSHA approved self-contained breathing apparatus and full protective clothing.
Special Properties	NA

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Protective Measures	If this material is released into the work area, evacuate the area immediately.
Spill Management	Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

SECTION 7 : HANDLING AND STORAGE

Handling	<p>Keep containers closed and do not handle or store near heat, Use only with adequate ventilation and personal protection. Avoid contact with eyes, skin, and clothing. Prevent contact with food. Clean contaminated clothing.</p> <p>When performing repairs and maintenance on contaminated equipment, Keep unnecessary persons away from area. Use gloves constructed of impervious materials and protective clothing if direct contact is anticipated. Provide adequate ventilation. Promptly remove contaminated clothing. Wash exposed skin thoroughly with soap and water after handling.</p>
Storage	Store in a dry shaded, well ventilated area. Do not allow it to become wet or over heated in storage because degradation of the material may occur. Provide plenty of ventilation to dissipate heat. Keep away from heat sources, oxidizing agents, bases, acids.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls	Provide exhaust ventilation or other engineering controls. An emergency eye wash station and safety shower should be located near the work-station.
Personal Protective	Eye Protection: Wear eye protection such as safety glasses, chemical goggles, or face shields if engineering controls or work practices are not

Equipment	<p>adequate to prevent eye contact. Contact lenses should not be worn when working with this chemical</p> <p>Hand protection: Avoid skin contact .Use gloves. Wash hands with plenty of mild soap and water before eating, drinking, use of toilet facilities or leaving work.</p> <p>Body protection: Avoid skin contact. Wear long-sleeved fire-retardant garments. Additional chemical-resistant protective gear may be required. This may include an apron, boots and additional facial protection.</p> <p>Respiratory Protection: Use gas mask while handling.</p> <p>Work practices: users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside . Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing. Deluge safety shower and eye wash station should be located in work area</p>
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Occupational exposure limits

Component	Limit		
NA	NA		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Colour	Colourless
Odor	Odourless	PH	NA
Specific gravity (Water=1)	1.2 at 20oc	Solubility in water	Miscible with water
Vapor pressure@ 20°C (mm Hg)	NA	density (g cm⁻³)	NA
Viscosity	NA	Boiling point (°C)	NA
Melting point (°C)	Ca. 230 C (decomposes)		

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable .under normal conditions
Conditions to Avoid	Heat sources, oxidizing agents, bases, acids
Material Incompatibility	strong oxidizing agents, strong bases, acids
Hazardous Decomposition Products	On heating / burning release of toxic and corrosive gases/vapours.
Hazardous Polymerization	Data not available

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Oral toxicity	LD 50 (Oral Rat) : 5480 mg/kg.
Acute Dermal toxicity	NA
Acute Inhalation toxicity	LD 50 (rat) : 3.18 mg/kg.
Eye irritation: This material is irritating to the eyes Skin irritation: This material is irritating to the skin	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Contamination of both terrestrial and marine environments should be avoided
Environmental fate	No data

SECTION 13: DISPOSAL CONSIDERATIONS

Incinerate in approved equipment in accordance with local regulations.
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SECTION 14 : TRANSPORT INFORMATION

	Not regulated as a hazardous material by any mode of transportation. It is not a marine pollutant. Export water (IMO) : Not regulated Air (ICAO / IATA) : Not regulated
DOT Shipping Name	
DOT Hazard class	Not regulated
DOT identification number	No data
DOT packing Group	No data
DOT additional information	No data

SECTION 15: REGULATORY INFORMATION

TSCA Inventory	No data
SARA 311/312 Hazard Identification	Immediate (acute) health effects: yes Delayed (chronic) health effects : yes Reactive: yes This product contains the substances subject to the reporting requirements of SARA title 3, section 313 and 40 CFR part 372.
SARA 302/304 Emergency planning and notification	No data
SARA 313 Toxic chemical notification and Release reporting	No data
CERCLA	No data

Clean air act (CAA)	Not applicable
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SECTION 16: OTHER INFORMATION

NFPA RATINGS	Health : 1	Flammability :0	Reactivity :1
HMIS RATINGS	Health : 1	Flammability :0	Reactivity :1
	0 = Least 1= slight 2= Moderate 3= High 4=Extreme		

ABBREVIATIONS

STEL	Short term exposure limit
ACGIH	American conference of Government Industrial Hygienists
NIOSH	National institute of safety and health
SARA	Super fund Amendments and Reauthorization Act
TWA	Time weighted average
OSHA	Occupational safety and health
NFPA	National Fire protection agency
HMIS	Hazardous Materials information system
RCRA	Resource conservation Recovery act
TSCA	Toxic substance Control Act
WHMIS	Work place Hazardous Materials information system
IRAC	International Agency for Research on Cancer

MANUFACTURE'S / SUPPLIER'S DATA

Name of Firm : INDOFIL CHEMICALS COMPANY				
Mailing Address : Kolshet, Off Swami Vivekanand Road, Azad Nagar, Sandoz Baug P.O. Thane – 400 607.		Gat No. 194, Village – Gahunje, Tal. Maval, Dist. Pune.		S-26 (T), MIDC, Bhosari, Pune – 411 026.
Telephone 6799 9100	Telex		Telephone 22767 5084	Telephone 22712 2302
Fax 589 8357	Telegraphic Code		Fax 22767 5083	Fax 22712 9242
Local Bodies Involved	Collector of Thane			

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