

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 09/01/2021 Supersedes: 01/09/2002 Version: 1.0

SECT	ION 1: Identification			
1.1.	Identification			
Produ	ict form	: Substance		
Trade	name	: Polyethylenimine, Linear, MW 250,000 (PEI 250000)		
CAS-No.		: 9002-98-6		
Produ	ict code	: 24314		
Formula		: (C2H5N)x		
1.2.	Recommended use and restrictions	on use		
Reco	nmended use	: Use as laboratory reagent, Manufacture of substances		
1.3.	Supplier			
400 ∨ Warri T +1 2	lier ciences 'alley Road ngton, PA 18976 - United States 215 343 6484 - F +1 215 343 0214 ipolysciences.com - www.polysciences.co	<u>m</u>		
1.4.	Emergency telephone number			
Emer	gency number	: 24-hour emergency phone number ChemTel 1-800-255-3924		
SECT	ION 2: Hazard(s) identification			
2.1.	Classification of the substance or m	ixture		
SHS U	S classification			
Acuto	toxicity (dermal) Category 4			
nould	(Unicity (definal) Gategory 4	Harmful in contact with skin		
Skin o 2.2.	GHS Label elements, including preca	Causes skin irritation		
Skin (2.2. GHS U	corrosion/irritation Category 2 GHS Label elements, including preca	Causes skin irritation		
Skin o 2.2. GHS U Haza	corrosion/irritation Category 2 GHS Label elements, including preca S labeling	Causes skin irritation		
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Full text of hazard classes and H-statements : see section 16					
3.2. Mixtures					
Not applicable					
SECTION 4: First-aid measures					
4.1. Description of first aid measures					
First-aid measures general	: Call a physician immediately.				
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.				
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.				
First-aid measures after eye contact	: Rinse eyes with water as a precaution.				
First-aid measures after ingestion	: Rinse mouth. Call a physician immediately.				
4.2. Most important symptoms and ef	fects (acute and delayed)				
Symptoms/effects after skin contact	: Irritation.				
4.3. Immediate medical attention and	special treatment, if necessary				
Treat symptomatically.					
SECTION 5: Fire-fighting measure	S				
5.1. Suitable (and unsuitable) extingu	ishing media				
Suitable extinguishing media	: Water spray. Dry powder. Foam.				
5.2. Specific hazards arising from the	chemical				
Hazardous decomposition products in case of fire	of : Toxic fumes may be released.				
5.3. Special protective equipment and					
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.				
SECTION 6: Accidental release measures					
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	easures equipment and emergency procedures				
6.1. Personal precautions, protective					
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6.1.Personal precautions, protective6.1.1.For non-emergency personnel	equipment and emergency procedures				
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SECTION 8: Exposure controls/personal protection				
8.1. Control parame				
Polyethylenimine, Lir	near, MW 250,000 (PEI 250000) (9002-98-6)			
No additional information available				
8.2. Appropriate en	ngineering controls			
Appropriate engineering	controls : Ensure good ventilation of the work station.			
Environmental exposure	e controls : Avoid release to the environment.			
8.3. Individual prot	ection measures/Personal protective equipment			
Hand protection:				
Protective gloves				
Eye protection:				
Safety glasses				
Skin and body protec	tion:			
Wear suitable protectiv	/e clothing			

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties				
9.1. Information on basic physical and chemical properties				
Physical state	: Solid			
Appearance	: off-white spongy solid amine.			
Color	: No data available			
Odor	: No data available			
Odor threshold	: No data available			
рН	: No data available			
Melting point	: no data			
Freezing point	: Not applicable			
Boiling point	: no data			
Flash point	: no data			
Relative evaporation rate (butyl acetate=1)	: No data available			
Flammability (solid, gas)	: Non flammable.			
Vapor pressure	: no data			
Relative vapor density at 20°C	: no data			
Relative density	: No data available			
Solubility	: No data available			
Partition coefficient n-octanol/water (Log Pow)	: No data available			
Auto-ignition temperature	: Not applicable			
Decomposition temperature	: No data available			
Viscosity, kinematic	: No data available			
Viscosity, dynamic	: No data available			
Explosion limits	: Not applicable			

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Explosive properties	: No data available				
Oxidizing properties	: No data available				
9.2. Other information					
No additional information available					
SECTION 10: Stability and reactive	/itv				
10.1. Reactivity					
	unditions of use, storage and transport.				
The product is non-reactive under normal conditions of use, storage and transport.					
10.2. Chemical stability Stable under normal conditions.					
10.3. Possibility of hazardous reactions					
No dangerous reactions known under normal conditions of use.					
10.4. Conditions to avoid					
None under recommended storage and handling conditions (see section 7).					
10.5. Incompatible materials					
No additional information available					
10.6. Hazardous decomposition prod	ucts				
	, hazardous decomposition products should not be produced.				
SECTION 11: Toxicological inform	mation				
11.1. Information on toxicological effort					
	: Not classified				
Acute toxicity (oral)	: Harmful in contact with skin.				
Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified				
· · · · ·					
ATE US (dermal)	1100 mg/kg body weight				
Skin corrosion/irritation	: Causes skin irritation.				
Serious eye damage/irritation	: Not classified				
Respiratory or skin sensitization	: Not classified				
Germ cell mutagenicity	: Not classified				
Carcinogenicity	: Not classified				
Reproductive toxicity	: Not classified				
STOT-single exposure	: Not classified				
STOT-repeated exposure	: Not classified				
Aspiration hazard	: Not classified				
Viscosity, kinematic	: No data available				
Symptoms/effects after skin contact	: Irritation.				
SECTION 12: Ecological informat	tion				
12.1. Toxicity					
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.				
12.2. Persistence and degradability					
No additional information available					
12.3. Bioaccumulative potential No additional information available					
12.4. Mobility in soil					
No additional information available					
12.5. Other adverse effects					
No additional information available					
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SECTION 13: Disposal consideration	ns
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
Department of Transportation (DOT) In accordance with DOT	
Not applicable	
Transportation of Dangerous Goods	
Not applicable	
Transport by sea	
Not applicable	
Air transport	
Not applicable	
SECTION 15: Regulatory informatio	n
15.1. US Federal regulations	
No additional information available	
15.2. International regulations	
CANADA	
EU-Regulations	
National regulations No additional information available	
15.3. US State regulations	
SECTION 16: Other information	

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Hazard Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

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