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PSD-500®

Material Safety : Data Sheet

Section I - Chemical Product and Company Identification

Product Name/ Trade Name	PSD-500®	Product Code
		PSD50000
Supplier	SA Polichem 78 Craig Road, Unit 22 A Anderbolt, Boksburg	P.O. BOX 16145 ATLASVILLE 1465
Synonym	Hydrocarbon Blend C9 to C11 Solvent C9-C11; normal alkane C9 – C11.	
Chemical Name	DEGREASER	In case of Emergency:
Chemical Family	Solvent Based Degreaser	083 508 0724
Chemical Formula	Formulated chemical	011 918 2955
Manufacturer &	SA Polichem (Pty) Ltd Unit 22b, 78 Craig Road, Anderbolt, Industrial Area, Boksburg.	Material Uses: Engine Cleaner

Section II - Composition and Information on Ingredients

Substance Name	CAS #	% by Weight	Exposure Limits
Nonane	111-84-2	30-50	ACGIH TLV: TWA: 200 ppm
Undecane	1120-21-4	10-35	-
Dodecane and heavier	-	2	-
Octane and lighter	-	<0.1	-

Section III - Hazards Identification

Emergency overview	WARNING! FLAMMABLE LIQUID. May form flammable vapour mixtures with the air. Avoid all ignition sources. Vapour may travel a considerable distance to source of ignition and flashback. Vapour heavier than air – prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. HARMFUL: may cause lung damage if swallowed.
Routes of entry	Eye contact. Ingestion. Inhalation. Skin contact
Eyes	May be an eye irritant
Skin	Contact with skin may result in irritation. Will have a degreasing action on the skin.

Section IV - First Aid Measures

Eye Contact	Immediately flush eyes with running water, keeping eyelids open. Cold water may be used. Finish by rinsing thoroughly with running water to avoid possible infection.
Skin Contact	Rinse with water, no medical attention needed.
Hazardous Skin Contact	No additional information.
Inhalation	No inhalation danger.
Hazardous Inhalation	No additional information.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. If any quantities of this material are swallowed, call a physician immediately.
Hazardous Ingestion	No additional information.

Section V - Fire and Explosion Data

Flammability of the Product	Flammable
Auto-Ignition Temperature	N/A
Flash Points	N/A
Flammable Limits	N/A
Products of Combustion	N/A
Fire Hazards in Presence of Various Substances	N/A
Explosion Hazards in Presence of Various Substances	Not considered as a product presenting risks of explosion.
Fire Fighting Media and Instructions	N/A
Special Remarks on Fire Hazards	Combustible.
Special Remarks on Explosion Hazards	No additional remark.

Section VI - Accidental Release Measures

Small Spill	Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste disposal container.
Large Spill	Absorb with dry earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed.

Section VII - Handling and Storage

Handling	The usual precaution for handling chemicals.
Storage	No Special storage requirements.

Section VIII - Exposure Controls/Personal Protection

Engineering Controls	Product does not contain relevant quantities of materials with exposure values that have to be monitored.
Personal Protection	Splash goggles. Overalls. Gloves.
Personal Protection in Case of a Large Spill	Splash goggles. Overalls. Boots. Gloves.
Exposure Limits	Toxic by ingestion.

Section IX - Physical and Chemical Properties

Physical state and appearance	Clear Liquid	Odour	solvent
Molecular Weight		Taste	No known data.
PH	5 - 8	Colour	Clear yellowish liquid.
Boiling/ Condensation Point	Weighed average: 100OC		
Melting/Sublimination Point	N/A		
Critical Temperature	N/A		
Specific Gravity	0.745 – 0.790		
Vapour Pressure	N/A		
Vapour Density	N/A		
Volatility	No known data.		
Odour Threshold	N/A		
Evaporation rate	No known data.		
Viscosity	N/A		
Water/Oli Dist. Coeff.	Soluble in water.		
Solubility	Soluble in water.		

Section X - Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	N/A
Conditions of Instability	N/A
Incompatibility with Various Substances	No known data.
Corrosivity	N/A
Special Remarks on Reactivity	N/A
Special Remarks on Corrosivity	N/A

Section XI - Toxicological Information

Routes of Entry	Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Moderate acute toxicity. May cause irritation to mucous membranes in mouth, throat and stomach.
Chronic Effects on Humans	No additional remark.
Other Toxic Effects on Humans	Irritating in case of skin contact, of eye contact, of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	Moderate acute toxicity. May cause irritation to mucous membranes in mouth, throat and stomach.
Special Remarks on Chronic Effects on Humans	No additional remark.
Special Remarks on Other Toxic Effects on Humans	No additional remark.

Section XII - Ecological Information

Ecotoxicity	Harmful to aquatic organisms.
Bio degradability	Not Determined.
Bio accumulation	Not determined.
Toxicity of the Products of Biodegradation	Not determined.

Section XIII - Disposal Considerations

Waste Information	Waste must be disposed of in accordance with environmental conservation Act 73 of 1989.
Waste Stream	Do not re-use containers. Puncture all plastic containers. Flatten all metal containers. Shred all bags.

Section XIV - Transport Information

ADR Classification	Not controlled under ADR of the EEC.
SIN	
IMDG Classification	000000
Subsidiary risk	None
CEFIC Tremcard	****
UK Hazchem	No known data
Special Provisions for Transport	Not classified as hazardous for transport. Not dangerous goods according to international transport regulations.

Section XV - Other Regulatory Information and Pictograms

International Regulations List	Product not listed
Other Regulations	N/A
Other Classifications	N/A
Hazardous Material Information System	N/A
Health Hazard	N/A
Fire Hazard	N/A
Reactivity	N/A
Personal Protection	N/A

Section XVI - Other Information.

References	
Other Special Considerations	This MSDS is drafted in accordance with S.A. Occupational and Safety Act 85/1993, however, the product when used as directed, contains less than 10% of the hazardous constituents declared. At use concentrations therefore, the product is considered completely non-hazardous.
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