SDS – Kerawax P9120

Information

1. Identification of the Substance/Preparation and the Company/Undertaking

1.1 Product identifier:

Product name:	Kerawax P9120
REACH registered name:	Not determined
REACH registered No:	Not determined
CAS Number:	Not determined

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified use(s): Various Industrial Applications, Chemical Intermediate, Lubricant, Cosmetics, and Aluminium rolling lubricants.

1.3 Details of the supplier of the safety data sheet:

Kerax Limited
Moorland Gate House
Cowling Road
Chorley
Lancashire, PR6 9DR
Telephone: +44 (0) 1257 237350

1.4 Emergency telephone number: +44 (0) 7811 262958 (24 Hours)

Email address: laboratory@kerax.co.uk

2. Hazards Identification

2.1 Classification of the Substance or Mixture: CLP Regulation 1272/2008/EC

Does not contain any components which are hazardous according to DSD [67/548/EC] or CLP Regulation 1272/2008/EC

2.2 Label Elements:

Does not require a hazard warning label in accordance with DSD [67/548/EC] or CLP Regulation 1272/2008/EC

2.3 Other Hazards:

- **PBT:** This product is not identified as a PBT / vPvB substance
- Hot liquid may cause thermal burns.

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3. Composition

3.1 Substances: Not Applicable

3.2 Mixtures: A blend of fatty alcohols and Cetomacrogol

CAS-No:	Substance Name	% Range	EC Number	REACH Reg No
112-92-5	1-Octadecanol	65-75	204-017-6	01-2119485907-20
36653-82-4	1-Hexadecanol	25-35	253-149-0	01-2119485905-24
-	Cetomacrogol	10-30	924-022-3	-
Impurities				
112-72-1	1-Tetradecanol	<1	204-000-3	01-2119485910-33

There are additional ingredients present which, within current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section in accordance with Regulation (EC) No. 1272/2008.

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4. First aid measures

4.1 Description of First Aid Measures

General Information: Remove contaminated / saturated clothing immediately. In case of accident or illness seek medical advice immediately.

Inhalation: Remove the affected person to fresh air, keep warm and rest. If recovery is not rapid, obtain medical attention

Skin Contact: Wash the affected parts of the body with soap and water. No emergency measures are necessary but if adverse skin effects follow, refer for medical attention.

Eye Contact: Flush eyes immediately with fresh water for at least 5 minutes while holding the eyelids open. No emergency measures are necessary but if adverse eye effects follow, refer for medical attention.

Ingestion: Do not induce vomiting. No emergency measures are needed but if adverse health effects follow or large amounts are swallowed, refer for medical attention.

Self-Protection of First Aider: First aider, pay attention to self-protection.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Over-heated oil can produce fumes which may be irritant when breathed in.

Skin Contact: May cause slight irritation to skin.

Ingestion: No known significant effects or critical hazards

Eye Contact: May cause slight irritation to eyes

4.3 Indication of any immediate medical attention and special treatment needed

In contact with or splashed by hot liquid:
Skin Contact Cool the skin immediately with cool water. Treat burns according to their severity. Obtain medical attention. Never try to remove the material with solvents.

Contact with eyes Cool the area immediately with cold water. Seek advice of an ophthalmologist.

Specific Treatment: First Aider, decontamination, treatment of symptoms.

Notes to doctor: Treat symptomatically.

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5. Firefighting measures

5.1 Extinguishing media: Foam, dry chemical, carbon dioxide, water mist.

5.2 Special hazards arising from the substance or mixture: Slight flammability hazard when exposed to heat or flame. During a fire, toxic gases (carbon monoxide, nitrous gases) may be generated by thermal decomposition or combustion.

5.3 Advice for firefighters: Only suitably trained personnel should attempt to tackle fires. Do not stay in the danger zone without respiratory protective equipment and protective clothing.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Surfaces may become slippery after spillage.

6.2 Environmental precautions: Water may be used to flush spills away from sources of ignition. Do not allow the product to enter public drainage system or open water courses.

6.3 Methods and material for containment and cleaning up: Use Sand or active clay to absorb spilled substance and remove to containers for disposal

6.4 Reference to other Sections: See sections 8 and 13

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7. Handling and storage

7.1 Precautions for safe handling: Avoid skin contact. Avoid inhalation of vapour, mist or fumes. Do not wear contaminated clothing. Avoid contact with the eyes – wear chemical protective goggles when handling the product. Protective clothing such as impervious gloves should be worn if skin contact is anticipated. Protective clothing should be regularly inspected and maintained, discard oil saturated leather articles. The use of barrier and after work creams may be beneficial. Wash hands after working with the material.

7.2 Conditions for safe storage, including any incompatibilities: Keep containers tightly closed. Avoid heat and sources of ignition. Store in original containers or in other mild steel or high density polyethylene containers which are closable and clearly labelled. Clean up any spilled material immediately

7.3 Specific end use(s): This material is formulated for various uses.

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8. Exposure Controls/Personal Protection

8.1 Control Parameters:

Substance Name	Type	Exposure Long Term	Value	Population	Effect
1-Hexadecanol	DNEL	Dermal	75mg/kg bw/day	Consumer	Systemic
	DNEL	Inhalation	65 mg/m³	Consumer	Systemic
	DNEL	Oral	75 mg/kg bw/day	Consumer	Systemic
	DNEL	Dermal	125 mg/kg bw/day	Worker	Systemic
	DNEL	Inhalation	220 mg	Worker	Systemic
1-Octadecanol	DNEL	Dermal	75mg/kg bw/day	Consumer	Systemic
	DNEL	Inhalation	65 mg/m³	Consumer	Systemic
	DNEL	Oral	75 mg/kg bw/day	Consumer	Systemic
	DNEL	Dermal	125 mg/kg bw/day	Worker	Systemic
	DNEL	Inhalation	220 mg	Worker	Systemic

PNEC Values: - No Data Available

8.2 Exposure Controls:

Appropriate engineering measures: Facilities storing or utilising this material should be equipped with an eyewash facility.

Respiratory protection: Inhalation of the vapour, fumes or mists should be avoided by safe working practices and good ventilation.

Eye protection: Wear appropriate eye goggles.

Skin protection: No special precautions are needed beyond clean working conditions and safe handling practices. Change heavily contaminated clothing.

Hand protection: Use impervious gloves [conforming to EN374] PVC is suitable for casual contact. If direct contact for more than 2 hours then Neoprene or nitrile gloves recommended.

8.3 Environmental Exposure Controls: See sections 6, 7, 12 and 13

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9. Physical and Chemical Properties

9.1 Information on basic chemical and physical properties:

Appearance:	Liquid (at elevated temperature) Solid (at ambient temperature)
Odour:	Typical
Odour threshold:	Not determined
pH:	Neutral
Melting point/ Congealing point:	50.5 - 56.5°C
Boiling point/ range:	Initial boiling point >245°C
Flash Point:	> 170°C, (ASTM D92, COC)
Evaporation Point:	Not determined
Flammability (solid, gas):	May be combustible at high temperature
Explosion Limits:	Not determined
Vapour pressure:	< 0.01hPa 20°C
Vapour density:	Not determined
Relative density (at 15°C):	0.80 – 0.82
Solubility in water:	<1 mg/l
Solubility in other solvents:	Not determined
Partition coefficient n-octanol/water:	Not determined
Auto-ignition temperature:	>230°C.
Decomposition temperature:	Not determined
Viscosity (Kinematic, at 70°C):	7 cSt
Explosive properties:	Not determined
Oxidizing properties:	Not determined

9.2 Other Information: None

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10. Stability and Reactivity

10.1 Reactivity: This product is not reactive under normal storage and handling conditions (see section 7).

10.2 Chemical stability: Under normal storage and handling conditions, this product is stable. May react with strong oxidising agents, especially at high temperatures.

10.3 Possibility of hazardous reactions: No specific hazardous reactions are expected.

10.4 Conditions to avoid: Extremes of temperature (preferably, store between 5 & 39 °C).

10.5 Incompatible materials: May react with strong oxidants (e.g. chlorates, peroxides).

10.6 Hazardous decomposition products: Thermal decomposition or incomplete combustion may produce carbon monoxide, nitrous gases and irritating fumes.

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11. Toxicological Information

11.1 Information on toxicological effects – 1-HEXADECANOL (36653-82-4)
1-OCTADECANOL (112-92-5) 1-TETRADECANOL (112-72-1)

Acute Toxicity

Acute Toxicity (oral)	LD50>2000mg/kg
Acute Toxicity (dermal)	LD50>8000mg/kg 24Hrs
Acute Toxicity (inhalation)	LC50 >1.5 mg/l
Skin Corrosive / Irritation:	Not classified – OECD 404
Serious Eye Damage Irritation:	Not classified – OECD 405
Respiratory Sensitisation:	Not available
Skin Sensitisation:	Non-sensitising
Repeated Dose Toxicity:	Not available.
Mutagenicity:	Negative – Ames Test - Salmonella Typhimirium (Salmonella enterica) 48hrs
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Not classified.
Reproductive Toxicity:	Not classified

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12. Ecological Information

12.1 Toxicity:

1-HEXADECANOL (36653-82-4)

Environmental Fate:	Not established
Aquatic toxicity (fish):	LC50 - Rainbow trout, Donaldson trout - > 0.4 mg/l, 96 hours, Not toxic. OECD 203, EU Method C.1.
Aquatic toxicity (algae):	EL50 - Green algae (Desmodesmus subspicatus) - > 1000 mg/l, 96 hours, Not toxic, OECD 201.
Aquatic toxicity (crustacea):	EC50 - Water flea (Daphnia magna) - > 0.01 mg/l, 48 hours. Not toxic.

1-OCTADECANOL (112-92-5)

Environmental Fate:	Not established
Aquatic toxicity (fish):	LC50 - Rainbow trout, Donaldson trout - > 0.4 mg/l, 96 hours, Not toxic. OECD 203, EU Method C.1.
Aquatic toxicity (algae):	EL50 - Green algae (Desmodesmus subspicatus) - > 0.0011 mg/l, 96 hours, Not toxic, OECD 201.
Aquatic toxicity (crustacea):	EC50 - Water flea (Daphnia magna) - 1700 mg/l, 48 hours. OECD 202. – Chronic - 47.6 µg/l, 21 days, EPA OPPTS 850.1300.

1-TETRADECANOL (112-72-1)

Environmental Fate:	Not established
Aquatic toxicity (fish):	LC50 - Rainbow trout, Donaldson trout - 1 mg/l, 96 hours, OECD 203, EU Method C.1.
Aquatic toxicity (algae):	EL50 - Green algae (Desmodesmus subspicatus) - chronic - > 10 mg/l, 96 hours, OECD 201 DIN 38412 Pt 9.
Aquatic toxicity (crustacea):	EC50 - Water flea (Daphnia magna) - 1.6 µg/l, 21 days, OECD 211

Mobility:	Not available
Biodegradation:	Expected to be readily biodegradable.
Bioaccumulation potential:	Will not bio-accumulate.
Other Ecological information:	No known significant effects or critical hazards.

Results of PBT and vPvB assessment: This substance does not fulfil the criteria for being classed as a PBT or vPvB substance.

13 Disposal Considerations

13.1 Waste treatment methods: Transport to authorised waste location, or incinerate under controlled conditions (EU Directives 2000/76/EC and 1999/31EC apply). European Waste Catalogue No. 050199/130899.

14. Transport Information

14.1 UN number: Not Classified.

14.2 UN Proper shipping name: Not Classified

14.3 Transport Hazard Class(es): Not Classified

14.4 Packing Group: Not Classified

14.5 Environmental Hazards: None

14.6 Special Precautions for user: None

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not Classified

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU Regulations Directive 67/548/EC
Regulation [EC] 1272/2008
Regulation [EC] 1907/2006

US federal regulations -This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

15.2 Chemical Safety Assessment: The supplier has not performed a chemical safety assessment of this substance.

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16. Other Information

Indication of changes: None

Abbreviations & Acronyms

PNEC	**Predicted No Effect Level**
DNEL	**Derived No Effect Level**
LD50	**Median Lethal Dose**
LC50	**Median Lethal Concentration**
CAS No	**Chemical Abstract Services number**
CLP	**Classification Labelling and Packaging Regulation**
ES	**Exposure Scenario**
EC	**European Commission**
EC No	**European Chemical Number – EINECS - ELINCS**
ECHA	**European Chemical Agency**
EINECS	**European Inventory of Existing Commercial Chemical Substances**
ELINCS	**European List of Notified Chemical Substances.**
NOEC	**No Observed Effect Concentration**
SU	**Sector of Use**

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