

Material Safety Data Sheet

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Version 1.3
Regulation (EC) No 1907/2006

1 - Product and Company Information

Product Name PARAFFIN LIQUID SPECTRANAL
Product Number 34920

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2 - Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT
Irritating to eyes.

3 - Composition/Information on Ingredients

Product Name	CAS #	EC no	Annex I Index Number
MINERAL OIL	8012-95-1	232-384-2	None

Synonyms Adepsine oil * Alboline * Bayol 55 * Bayol F *
 Blandlube * Crystol 325 * Crystosol * Glymol *
 Kondremul * Liquid paraffin * Neo-cultol * Nujol
 * Oil mist, mineral (ACGIH:OSHA) * Paraffin oil
 * Paroleine * Petrogalar * Primol 355 * Primol D
 * Saxol * USP mineral oil

4 - First Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

AFTER SKIN CONTACT

In case of contact, immediately wash skin with soap and copious amounts of water.

AFTER EYE CONTACT

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

7 - Handling and Storage

HANDLING

Directions for Safe Handling: Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS

Mechanical exhaust required. Safety shower and eye bath.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

EXPOSURE LIMITS

Country	Source	Type	Value
Poland		NDS	5 MG/M3
Poland		NDSch	10 MG/M3
Poland		NDSP	-

EXPOSURE LIMITS - SWITZERLAND

Source	Type	Value
OEL	OEL	5 mg/m3

Remarks: E

EXPOSURE LIMITS - UNITED KINGDOM

Source	Type	Value
OEL	LTEL	5 mg/m3
OEL	STEL	10 mg/m3

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.
Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

9 - Physical and Chemical Properties

Appearance	Color: Colorless Form: Clear viscous liquid	
Property	Value	At Temperature or Pressure
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	N/A	
Flash Point	215 °C	Method: closed cup
Flammability	N/A	
Autoignition Temp	N/A	
Oxidizing Properties	N/A	
Explosive Properties	N/A	
Explosion Limits	N/A	
Vapor Pressure	N/A	
SG/Density	0.86 g/cm ³	
Partition Coefficient	N/A	
Viscosity	110.0 - 125.0 Pas	20°C
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
Evaporation Rate	N/A	
Bulk Density	N/A	
Decomposition Temp.	N/A	
Solvent Content	N/A	
Water Content	N/A	
Surface Tension	N/A	
Conductivity	N/A	
Miscellaneous Data	N/A	
Solubility	N/A	

10 - Stability and Reactivity

STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

11 - Toxicological Information

RTECS NUMBER: PY8030000

ACUTE TOXICITY

LD50

Oral

Mouse

22000 mg/kg

IRRITATION DATA

Skin

Rabbit

100 mg

24H

Remarks: Mild irritation effect

Eyes
Rabbit
500 mg
Remarks: Moderate irritation effect

Skin
Guinea pig
100 mg
24H
Remarks: Mild irritation effect

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Ingestion of large doses will produce a laxative effect and may be irritating to the digestive tract. Aspiration into lungs will cause lipid pneumonia.

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.
Eye Contact: Causes eye irritation.
Inhalation: Material may be irritating to mucous membranes and upper respiratory tract.
Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

CHRONIC EXPOSURE - CARCINOGEN

Man
Route of Application: Inhalation
Exposure Time: 5Y-
Result: Tumorigenic: Carcinogenic by RTECS criteria. Tumorigenic Effects: Testicular tumors. Gastrointestinal: Tumors.

Mouse
Route of Application: Skin
Exposure Time: 20W
Result: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Skin and Appendages: Other: Tumors.

Mouse
Route of Application: Intraperitoneal
Result: Lungs, Thorax, or Respiration: Bronchiogenic carcinoma. Blood: Leukemia Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Mouse
Route of Application: Intraperitoneal
Exposure Time: 17W
Result: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Blood: Tumors.

Mouse
Route of Application: Intraperitoneal
Exposure Time: 17W
Result: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Blood: Lymphomas including Hodgkin's disease.

Mouse
Route of Application: Intraperitoneal
Exposure Time: 9W
Result: Tumorigenic: Equivocal tumorigenic agent by RTECS

criteria. Skin and Appendages: Decreased immune response.
Blood:Tumors.

Mouse

Route of Application: Intraperitoneal

Exposure Time: 26W

Result: Tumorigenic:Equivocal tumorigenic agent by RTECS
criteria. Blood:Tumors.

12 - Ecological Information

No data available.

13 - Disposal Considerations

SUBSTANCE DISPOSAL

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14 - Transport Information

RID/ADR

Non-hazardous for road transport.

IMDG

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

15 - Regulatory Information

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES

INDICATION OF DANGER: Xi

Irritant.

R-PHRASES: 36

Irritating to eyes.

S-PHRASES: 26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

COUNTRY SPECIFIC INFORMATION

Germany

WGK: 2

Self-Classification

16 - Other Information

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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