

1. IDENTIFICATION

Product Name	Rajol WP350 E/H (Heavy)			
Other Names	Liquid Paraffin; Mineral Oil; White Spirits			
Uses	Used in various applications such as Cosmetics, Pharmaceuticals, Food and Industrial products which requires mineral oil of USP, BP, IP, PH.EUR21CFR 172.878 grades, etc.			
Chemical Family	No Data Available			
Chemical Formula	No Data Available			
Chemical Name	Rajol WP350 E/H (Heavy)			
Product Description	No Data Available			
Contact Information	Organisation	Location	Telephone	Ask For
	Redox Pty Ltd	2 Swettenham Road Minto NSW 2566 Australia 11 Mayo Road Wiri Auckland 2104 New Zealand	+61-2-97333000 +64-9-2506222	MSDS Officer
	Poisons Information Centre	Westmead NSW	1800-251525 131126	
	Chemcall	Australia New Zealand	1800-127406 0800-243622 +64-3-3530199	
	National Poisons Centre	New Zealand	0800-764766	

2. HAZARD IDENTIFICATION

ADG Code	Non-Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG Code).
ASCC Hazard Classification	NOT Hazardous according to the criteria of ASCC [NOHSC:1008(2004)]
Categories	
Risk Phrases	
Safety Phrases	
HSNO Hazard Classification	
Poisons Schedule (Aust)	No Data Available

This Material Safety Data Sheet may not provide exhaustive guidance for all HSNO Controls assigned to this substance. The [EPA \(New Zealand\) web site](#) should be consulted for a full list of triggered controls and cited regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
White Mineral Oils	No Data Available	8042-47-5	0 - 100.0 %
Stabilizer / Additive	No Data Available	128-37-0	0 - 0.002 %



Vitamin E Acetate	No Data Available	7695-91-2	0 - 0.002 %
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4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	These Products are an NF or USP grade White mineral oil is used for a variety of applications such as food grade lubricants and in the production of cosmetics and pharmaceuticals. It meets the requirement as per USFDA 21 CFR 172.878 and USFDA 21CFR 178.3620 (a)
Eye	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention if discomfort persists. No emergency care anticipated.
Skin	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur. See a physician for treatment of burn. No emergency care anticipated.
Inhaled	Not likely to occur except a mist. Remove patient to fresh air and consult a physician. If breathing is difficult, give oxygen. Immediately get medical attention.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of patient.
Medical Conditions Aggravated by Exposure	No information available on medical conditions aggravated by exposure to this product. Most important symptoms and effects, both acute and delayed: Aspiration of ingested product into lungs can have cause fatal consequences.

5. FIRE FIGHTING MEASURES

General Measures	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
Flammability Conditions	Treat as a liquid combustible material.
Extinguishing Media	Dry Chemical, carbon dioxide, water, fog and foam. Note: Water, fog and foam may cause frothing and spattering. Do not use water jet as an extinguisher, as this will spread the fire.
Fire and Explosion Hazard	No usual fire or explosion hazard noted. Product is a combustible liquid.
Hazardous Products of Combustion	On combustion, forms: Carbon dioxide (CO ₂), Nitrogen oxides (NO _x), Carbon monoxide, etc.
Special Fire Fighting Instructions	Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
Personal Protective Equipment	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (including flame retardant coat, helmet with face shield, gloves, rubber boots) or chemical splash suit.
Flash Point	>190 °C
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	No Data Available
Hazchem Code	No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	Eliminate all sources of ignition. Increase ventilation. Avoid walking through spilled product as it may be slippery. Use clean, non-sparking tools and equipment.
Clean Up Procedures	Immediately start clean up of the liquid and contaminated soil. Small amounts can be collected using absorbent material. Product waste should be disposed in accordance with section 13.
Containment	Stop leak if safe to do so.
Environmental Precautionary Measures	Try to prevent spread of the product into the environment. Do not allow product to reach drains, sewers or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Authority.
Evacuation Criteria	Evacuate all unnecessary personnel. Personnel involved in the clean up should wear full protective clothing as listed in section 8. Safety glasses, chemical



Personal Precautionary Measures

goggles (if splashing possible)

7. HANDLING AND STORAGE**Handling**

Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Provide efficient ventilation. Avoid contact with eyes, skin and clothing. Do not inhale product vapours. No special precautions are necessary beyond good hygiene practice.ent.

Storage

Store in a cool, dry, well-ventilated and covered area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Store away from sources of heat, ignition and sunlight. It is recommended that the drums be stored horizontally, with bungs in 3 O'clock and 9 O'clock position, such that bungs are always immersed contamination from air humidity, rain, etc. This product is classified as a 'C2' Combustible Liquid for the purpose of storage and handling in accordance with the requirements of AS1940.

Container

Store in original packaging as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**General**

(Provided by supplier) Mineral Oil Mist:
TWA (Mist) ACGIH value is 5.0 mg/m³
STEL (MIST) ACGIH value is 10.0 mg/m³

(HSIS) 2,6-Di-tert-butyl-p-cresol CAS 128-37-0:
TWA = 10 mg/m³

NOTE: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.
These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Exposure Limits

No Data Available

Biological Limits

No information available on biological limit values for this product.

Engineering Measures

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.

Personal Protection Equipment

RESPIRATOR: If vapour and / or mist is generated by heating, spraying, etc, wear an organic vapour respirator with a mist filter (AS1715/1716).
EYES: Wear safety glasses or goggles (AS1336/1337).
HANDS: Use oil resistant gloves (AS2161).
CLOTHING: Use protective overalls to minimise skin contact and contamination of personal clothing (AS3765/2210).

Work Hygienic Practices

No Data Available

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Liquid

Appearance

Liquid

Odour

Odourless

Colour

Clear White

pH

No Data Available

Vapour Pressure

<0.1 mmHg (@ 20 °C)

Relative Vapour Density

No Data Available

Boiling/Melting Point

No Data Available

Solubility

Insoluble °C

Freezing Point

No Data Available

No Data Available



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Specific Gravity	
Flash Point	>190 °C
Auto Ignition Temp	No Data Available
Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	0.815 - 0.865 g/mL
Specific Heat	No Data Available
Molecular Weight	No Data Available
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	35 - 115 mm ² /s (@ No Data Available)
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No Data Available
Potential for Dust Explosion	Product is a combustible liquid.
Fast or Intensely Burning Characteristics	No Data Available
Flame Propagation or Burning Rate of Solid Materials	No Data Available
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No Data Available
Properties That May Initiate or Contribute to Fire Intensity	No Data Available
Reactions That Release Gases or Vapours	No Data Available
Release of Invisible Flammable Vapours and Gases	No Data Available

10. STABILITY AND REACTIVITY

General Information	Combustible liquid.
Chemical Stability	Stable under ambient temperature and normal conditions the product is stable.
Conditions to Avoid	Avoid direct contact with sunlight or ultraviolet light, heat, flames, sparks, etc.
Materials to Avoid	Normally unreactive, however avoid contact with Strong oxidizing agents. Heat or high temperature.
Hazardous Decomposition Products	On combustion, forms: Carbon dioxide (CO ₂), Nitrogen oxides (NO _x), Carbon monoxide, etc. Burning can produce Oxides of carbon. Soot. Combustion can yield carbon dioxide, carbon monoxide and some more gases.
Hazardous Polymerisation	No Data Available

11. TOXICOLOGICAL INFORMATION

General Information	Acute Studies - General : No evidence of harmful effects from current information. Test results for acute toxicity based upon an analogy with a similar material are: Rat result > 5,000 mg/kg Carcinogenicity : None expected. Products / Finished material (Blends of Above substances) meets the IP 346 -
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DMSO test (< 3% of PCA), hence the product does not classify as a carcinogen (Note L of EU Directive 76/769-EEC) and is non hazardous.

Mutagenicity : No data available

Reproductive Toxicity : Contains no ingredient listed as toxic to reproduction

Skin Irritant

None expected. Test results on guinea pigs with a similar material showed no skin irritation.

Eye Irritant

No irritant effect known. Test results on rabbits with a similar material showed no eye irritation.

Ingestion

Ingestion is unlikely to have any toxic effects, but the product may act as an intestinal lubricant and result in diarrhoea and frequent loose stools. If vomiting occurs, aspiration may cause delayed pulmonary oedema and chemical pneumonia.

Inhalation

May be fatal if swallowed and enters airways. May be harmful by inhalation.

Carcinogen Category

0

12. ECOLOGICAL INFORMATION

Ecotoxicity

Fish : No data available.
Daphnia Magna : No data available.
Birds : No data available.

Persistence/Degradability

Readily Biodegradable, OECD 301B test - 67%, based on similarly tested raw material.

Mobility

The product is insoluble in water and mainly not volatile. In soil, Mineral oil show little mobility and adsorption is the predominant physical process.

Environmental Fate

Risk of ground water and soil contamination. Product can penetrate soil until reaching the surface of ground water. Degradation occurs extremely slowly under anaerobic condition.

Bioaccumulation Potential

Models suggest that petroleum oils may bioaccumulate but the bioavailability / lower solubility may reduce this potential.

Environmental Impact

No Data Available

13. DISPOSAL CONSIDERATIONS

General Information

Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

Special Precautions for Land Fill

Contact a specialist disposal company or the local waste regulator for advice.

14. TRANSPORT INFORMATION

ADG Code

Non-Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG Code).

Air

IATA

Proper Shipping Name

Rajol WP350 E/H (Heavy)

Class

No Data Available

Subsidiary Risk(s)

No Data Available

UN Number

No Data Available

Hazchem

No Data Available

Pack Group

No Data Available

Special Provision

No Data Available



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Land**Australia: ADG Code**

Proper Shipping Name	Rajol WP350 E/H (Heavy)
Class	C2 Combustible Liquids - Flash point > 150 °C
Subsidiary Risk(s)	No Data Available
EPG	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

New Zealand: NZS5433

Proper Shipping Name	Rajol WP350 E/H (Heavy)
Class	No Data Available
Subsidiary Risk(s)	No Data Available
EPG	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

Sea**IMDG**

Proper Shipping Name	Rajol WP350 E/H (Heavy)
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No

15. REGULATORY INFORMATION

General Information	No Data Available
Poisons Schedule (Aust)	No Data Available
AICS Name	White mineral oil, petroleum

16. OTHER INFORMATION

Related Product Codes	WHIOIL2900, WHIOIL3000, WHIOIL3001, WHIOIL3002, WHIOIL3003, WHIOIL3004, WHIOIL3005, WHIOIL3006
Revision	3
	31-Dec-2011



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Revision Date

Key/Legend

< Less Than
 > Greater Than
AICS Australian Inventory of Chemical Substances
atm Atmosphere
CAS Chemical Abstracts Service (Registry Number)
cm² Square Centimetres
CO₂ Carbon Dioxide
COD Chemical Oxygen Demand
deg C (°C) Degrees Celcius
EPA (New Zealand) Environmental Protection Authority of New Zealand
deg F (°F) Degrees Farenheit
g Grams
g/cm³ Grams per Cubic Centimetre
g/l Grams per Litre
HSNO Hazardous Substance and New Organism
IDLH Immediately Dangerous to Life and Health
immiscible Liquids are insoluable in each other.
inHg Inch of Mercury
inH₂O Inch of Water
K Kelvin
kg Kilogram
kg/m³ Kilograms per Cubic Metre
lb Pound
LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or L Litre
m³ Cubic Metre
mbar Millibar
mg Milligram
mg/24H Milligrams per 24 Hours
mg/kg Milligrams per Kilogram
mg/m³ Milligrams per Cubic Metre
Misc or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm Millimetre
mmH₂O Millimetres of Water
mPa.s Millipascals per Second
N/A Not Applicable
NIOSH National Institute for Occupational Safety and Health
NOHSC National Occupational Heath and Safety Commission
OECD Organisation for Economic Co-operation and Development
Oz Ounce
PEL Permissible Exposure Limit
Pa Pascal
ppb Parts per Billion
ppm Parts per Million
ppm/2h Parts per Million per 2 Hours
ppm/6h Parts per Million per 6 Hours
psi Pounds per Square Inch
R Rankine
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value
tne Tonne
torr Millimetre of Mercury
TWA Time Weighted Average
ug/24H Micrograms per 24 Hours
UN United Nations
wt Weight



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