


## Safety Data Sheet

### PARAFFOIL L10952 (Act 36 of 1947)

Date of issue: 30/08/2017

<b>1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.</b>					
<b>Product name:</b>			PARAFFOIL		
<b>Other means of identification:</b>			White mineral oil		
<b>Recommended use:</b>			Crop protection product, adjuvant		
<b>Restrictions on use:</b>			None known		
<b>UN No:</b>			Not regulated		
<b>Distributed by:</b>			MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 011 8223494 MOBILE: 0834006056 www.agritech.co.za		
<b>Emergency Number:</b>			POISON CENTRE (UNITAS HOSPITAL) 012 664 1100 WESTERN CAPE POISONS TELEPHONE SERVICE (OR POISONS HELPLINE): 0861 555 777 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946		
<b>Chemical Name:</b>			White mineral oil		
<b>2) Classification of the substance / mixture:</b>					
<b>Classification of the product is based on the co-formulants listed in section 3.</b>			<b>According to Directive 67/548/EEC or 1999/45/EC</b> Not classified.		
<b>Label elements</b>			<b>According to Regulation (EC) No. 1272/2008 [CLP/GHS]</b> Asp. Tox. 1, H304  Danger May be fatal if swallowed and enters airways		
<b>Health effects: eyes:</b>			No known significant effects or critical hazards		
<b>Health effects: skin:</b>			No known significant effects or critical hazards		
<b>Health effects: ingestion</b>			May be fatal if swallowed and enters airways		
<b>Health effects: inhalation</b>			No known significant effects or critical hazards		
<b>3) Composition Details:</b>					
<b>3) COMPOSITION / INFORMATION ON INGREDIENTS:</b>					
Substance / Mixture: Mono-constituent substance					
<b>Chemical name</b>	<b>% composition</b>	<b>CAS No.</b>	<b>EC No.</b>	<b>Classification according to Regulation EC 1272/2008 (CLP)</b>	<b>Classification according to Directive 57/548/EEC</b>

White mineral oil	100.0	8042-47-5	-	ASP. Tox. 1, H304  Aspiration Hazard- Category 1 May be fatal if swallowed and enters airways.	Not classified
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Full text of R and S-phrases: see section 15.

#### 4) First Aid Measures:

<b>Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Keep patient calm. If the patient is not breathing, or if breathing is irregular or respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing respiratory aid to give mouth-to-mouth resuscitation. <b>Obtain immediate medical attention.</b> If unconscious, place the patient in the recovery position and obtain medical assistance immediately. Maintain an open airway. Loosen any tight clothing such as a collar, tie, belt or waistband.
<b>Skin contact:</b>	Immediately remove contaminated clothing and shoes and flush body and clothes with large amounts of water. Wash thoroughly with soap and water (including hair, skin and fingernails) Wash contaminated clothing and shoes before re-use. Seek medical assistance if irritation persists. Persons providing first aid must wear gloves to avoid self-contamination.
<b>Eye contact:</b>	Flush eyes with plenty of water for at least 15 minutes holding eyelids open. Remove contact lenses. Call a doctor for treatment advice. Obtain medical attention immediately if irritation persists.
<b>Ingestion</b>	<b>Seek medical attention immediately.</b> Wash the mouth out with water if the patient is alert and able to do so. Never induce vomiting or give anything by mouth to a victim who is unconscious or is having convulsions. Remove dentures if present. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the material has been swallowed, and the patient is conscious, give small quantities of water to drink. Stop this if the patient feels ill as vomiting may be dangerous. This product presents as aspiration hazard if swallowed. Can enter the lungs and cause damage. <b>Do not induce vomiting.</b> If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions. If unconscious, place the patient in the recovery position and obtain medical assistance immediately. Maintain an open airway. Loosen any tight clothing such as a collar, tie, belt or waistband.
<b>Most important symptoms and effects, acute and delayed:</b>	Ingestion: Adverse symptoms may include nausea or vomiting. Inhalation: No specific data.

<b>Indication of immediate medical attention and special treatment needed: Advice to physician</b>	<p>Skin contact: Repeated skin exposure can product local skin destruction or dermatitis.</p> <p>Eye contact: no specific data.</p> <p>No specific antidote is available. Treat symptomatically and supportively when required. Contact a poison treatment specialist immediately if large quantities have been ingested or inhaled.</p>
<b>5) Fire-Fighting Measures:</b>	
<p><b>Flash point:</b></p> <p><b>Extinguishing Media:</b></p> <p><b>Unsuitable extinguishing media:</b></p> <p><b>Fire Fighting:</b></p>	<p>Open cup: 191 (°C)</p> <p>Water fog (specifically trained personnel only), Dry chemical powder, Carbon dioxide, Other inert gases (subject to regulations), Sand or Earth</p> <p>Do not use direct water jets. Simultaneous use of foam and water should be avoided as the water destroys the foam.</p> <p>Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire.</p> <p>Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal.</p> <p>Generating poisonous and corrosive fumes. Keep upwind.</p> <p>Avoid inhaling hazardous vapours and fumes from burning materials. Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal. (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Do not scatter the material. Water can be used to cool containers. Dispose of extinguishing agent and spillage in a safe way at a later stage.</p> <p>Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. Contain run-off water with, for example, temporary earth barriers.</p> <p>Product may generate toxic and / or irritating fumes during a fire.</p>
<b>Protective clothing:</b>	<p>Full protective clothing and self-contained breathing apparatus</p>
<b>6) Accidental Release Measures:</b>	
<p><b>Personal precautions:</b></p> <p><b>Occupational spill:</b></p>	<p>Avoid contact with skin and eyes. For personal protection see Section 8.</p> <p>Do not eat, drink or smoke during the clean-up process.</p> <p>Clear area of unprotected personnel. Wear protective gear.</p> <p>Control the spill at its source if without risk. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Sections 7 and 8.</p>

	<p>For small spillages: Dilute with water and mop up if water soluble. Alternatively, or if water insoluble, Pick up with a suitable absorbent material (sand, sawdust, kieselguhr, general-purpose binder) and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p> <p>For large spillages: Dike the spillage and pump off the product. Move containers from the spillage area. Approach the release from upwind. Wash the spillage into an effluent treatment plant or proceed as follows: Contain and collect the spillage with a non-combustible absorbent material such as sand, earth, vermiculite or diatomaceous earth and place in a container for waste disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Any contaminated absorbent material may pose the same risk as the spilt product.</p>
<b>7) Handling &amp; Storage:</b>	
<b>Handling:</b>	KEEP OUT OF REACH OF CHILDREN and animals. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. After work, rinse gloves and remove protective equipment. Wash hands thoroughly with soap and water after handling, and before eating, tobacco use, drinking, or using the toilet. Wash contaminated clothing before re-use and separate from household laundry.
<b>Storage:</b>	Store under lock and key only in the original container, tightly closed, in a well-ventilated, cool, dry, secure area away from moisture, children, foods, drink, animal feeds and incompatible materials. Keep the container tightly closed and sealed until ready to use. Containers that have been opened must be carefully resealed and kept upright in order to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Store under lock and key. Protect from heat, moisture and direct sunlight.
<b>8) Exposure Control / Personal Protection:</b>	
<p>It is essential to provide adequate ventilation. The measures must be appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.</p> <p><b><u>PERSONAL PROTECTIVE EQUIPMENT:</u></b></p> <p><b>Clothing:</b></p>	<p>Avoid contact with skin, eye and clothing. Avoid breathing vapour or mist. Do not swallow. Closed working clothes are recommended. Take off contaminated clothing immediately. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke at the place of work. Wash hands and face before breaks and at the end of the shift.</p> <p>Personal protective equipment for the body should be selected based on the task being performed and the risks involved, and should be approved by a specialist before handling this product. For emergency conditions: Use protective clothing impervious to this material.</p>
<b>Respiratory protection:</b>	<p>Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if the risk assessment indicates this is necessary. The selection</p>

<p><b>Gloves:</b></p> <p><b>Eye protection:</b></p> <p><b>Emergency eye wash:</b></p> <p><b>Environmental exposure controls:</b></p>	<p>of the respirator must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: organic vapour filter.</p> <p>Suitable chemically resistant (such as nitrile or butyl) gloves should be worn at all times when handling the products if a risk assessment indicates this is necessary. &gt; 8 hours (breakthrough time): neoprene, nitrile.</p> <p>Safety goggles with side shields, or face shield.</p> <p>Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.</p> <p>Emissions from ventilation or work process equipment should be checked to ensure that they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce the emissions to acceptable levels.</p>
<b>9) Physical &amp; Chemical Properties:</b>	
<b>Form:</b>	Liquid
<b>Colour:</b>	Clear and bright
<b>Odour:</b>	No odour, or slight petroleum oil like odour
<b>Odour threshold</b>	Not available
<b>Solubility:</b>	Insoluble in water
<b>pH:</b>	Not available
<b>Melting point / Freezing point</b>	Not available
<b>Initial boiling point and boiling range</b>	Not available
<b>Flash point:</b>	Open cup: 191 (°C)
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas)</b>	Low fire hazard. This material must be heated before ignition will occur.
<b>Upper/ lower flammability or explosive limits:</b>	Not available
<b>Vapour pressure:</b>	Not available
<b>Vapour density:</b>	Not available
<b>Relative density:</b>	0.857 kg/L at 15°C
<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Viscosity:</b>	15.8 cSt at 40 °C; 3.47 cSt at 100 °C
<b>10) Stability &amp; Reactivity:</b>	
<b>Reactivity:</b>	No specific test data related to reactivity available for this product.
<b>Stability:</b>	Stable under normal use and standard conditions. Stable for 24 months.
<b>Hazardous decomposition product(s):</b>	No hazardous reactions decomposition if stored and handled as indicated. May release Cox, smoke and irritating vapours when heated to decompositions
<b>Conditions to avoid:</b>	No specific data
<b>Incompatible materials:</b>	Reactive with oxidizing agents
<b>11) Toxicological Information:</b>	

Oral LD50 (Rat): > 5 000 mg/kg.  
Dermal: LD50 (Rat): > 2 000 mg/kg.  
Inhalation: > 5000 mg / m<sup>3</sup> (4 hours).  
Eye Contact: Mild irritant  
Skin Sensitization: Mild irritant

Mutagenicity: No known significant effects or critical hazards. .

Carcinogenicity: All components contained in the product have been shown to contain less than 3% DMSO extractables as measured by IP346. Not listed as carcinogenic by OSHA, NTP or IARC

Reproductive toxicity: No known significant effects or critical hazards. .

Teratogenicity: No known significant effects or critical hazards. .

Repeated dose toxicity: No known significant effects or critical hazards. .

#### **12) Ecological Information:**

Bees : Not available. Petroleum oils are not included 2007/442/EC.

Birds : Not available. Petroleum oils are not included 2007/442/EC.

Fish : NOEC > = 100 mg/L (96 hours)

Daphnia: NOEC > = 100 mg/L (48 hours)

Algae : NOEC > = 100 mg/L (72 hours)

Worms : Not available. Petroleum oils are not included 2007/442/EC.

#### **Persistence and degradability:**

No risk of polynuclear aromatic compounds entering the food chain

Biodegradation: Not available

Bioaccumulative potential: Not available

Bioconcentration factor: Not available

PBT: No, Not available.

vPvB: Not available.

Other adverse effects: No known significant effects or critical hazards.

#### **13) Disposal Considerations:**

##### **Waste Disposal :**

In accordance with local regulations

The generation of waste should be avoided or minimised wherever possible.

Spilled product cannot be re-used and must be disposed of by incineration or disposal in a chemical waste disposal facility.

Waste product should not be disposed of via the sewer, but must be processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products must comply with the requirements of environmental protection and waste disposal legislation, as well as any regional local authority requirements.

##### **Container Disposal :**

In accordance with local regulations.

If containers cannot be recycled, they should be disposed of together with the waste chemical

Do not reuse empty containers. Empty container retains product residue. Triple rinse, or equivalent, empty container, return rinse water to dilution mixture, and dispose of dilution mixture as a hazardous waste if it cannot be disposed of by use according to label instructions. Dispose of empty containers in accordance with local regulations. Consult provincial environment ministry for advice on waste disposal. Industrial/commercial waste may be handled at licensed facilities only. Waste shipments must be securely packaged and properly labelled. Only licensed carriers should be used.

Destroy the empty container by perforation, flattening and burning at an appropriate industrial incinerator approved for pesticides. Do not use it for any other purpose. Do not bury in any area under agricultural use. Dispose of surplus product at an appropriate industrial incinerator approved for pesticides. Do not bury in, or spray onto, any area under agricultural use. Empty the used containers well, rinse several times with water and pour the rinsed solution into the spray tank.

#### **14) Transportation Information:**

UN NUMBER: Not regulated

Road Transport ADR/ RID: Not regulated

Class: Not regulated

Packaging group: Not regulated

Shipping name: Not regulated Environmental hazards: Considered a marine pollutant

Special precautions for user: None known.

Environmental hazard: No

Maritime Transport IMDG / IMO:

Class: Not regulated

Packaging group: Not regulated

Shipping name: Not regulated Environmental hazards: Considered a marine pollutant

Special precautions for user: None known.

Environmental hazard: No

Air Transport IATA / ICAO:

Class: 9

Class: Not regulated

Packaging group: Not regulated

Shipping name: Not regulated Environmental hazards: Considered a marine pollutant

Special precautions for user: None known.

Environmental hazard: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC code): Not available

#### **15) Regulatory Information:**

##### **Safety, health and environmental regulations / legislation specific for the substance or mixture.**

To avoid risks to man and the environment, comply with all instructions for use.

Advice on handling of the product can be found in sections 7 and 8 of this safety data sheet.

For the proper and safe use of this product, please refer to the approval conditions indicated in the product label.

##### **Symbol(s):**

##### **R-phrases(s):**

Not listed

##### **S-phrases(s):**

S2 – Keep out of reach of children.

S13 – Keep away from food, drink and animal feeding stuffs.

S20 / 21 – When using, do not eat, drink or smoke.

S60 – This material and its container must be disposed of as hazardous waste.

S61 – Avoid release to the environment. Refer to special instructions/ Safety data sheets.

##### **Hazard Statements:**

H304 - May be fatal if swallowed and enters airways

#### **16) Other Information:**

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

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