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MATERIAL SAFETY DATA SHEET

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Light Mineral Oil BP/Ph Eur			WHC808
Biological Definition		White mineral oil (Petroleum)			
INCI Name		-			
Synonyms & Trade Names		Technijel 3627			
CAS-No	n/a	EC No.	n/a	EINECS No.	n/a
1.2 Relative identified uses of the substance or mixture and uses advised against					
Various uses in lubrication, industrial and pharmaceutical applications					
1.3 Details of the supplier of the safety data sheet					
1.4 Emergency Tel. No.		+ 44 (0) 1260 222 943			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
The Full Text for all Hazard Statements displayed in Section 16	
Classification (EC 1272/2008)	
Physical hazards:	Not classified.
Health hazards:	Asp Hazard: Cat 1
Environmental hazards:	Not classified.
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
GHS08	
	
Signal Word	Danger
Contains	No additional data
Hazard Statements	
H304 – May be fatal if swallowed and enters airways EUH066: Repeated exposure may cause skin dryness or cracking.	
Precautionary Statements	
P301 & P310 – IF SWALLOWED; immediately call a POISON CENTRE or doctor / physician. P331 – Do NOT induce vomiting. P405 – Store locked up. P501 - Dispose of contents and / or container through a valid waste disposal company.	
Supplementary Precautionary Statements	
None	

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2.3 Other Hazards

PBT or vPvB according to Annex XIII	This product is not identified as a PBT / vPvB substance
Adverse physio-chemical properties	No additional data
Adverse effects on human health	Hot liquid may cause thermal burns

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

100% White Mineral Oil (Petroleum)
CAS No: 8042-47-5 EC No: 232-455-8
Classification: Asp. Tox. 1: H304

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove affected person to fresh air, keep warm and rest. Seek medical advice if symptoms persist
Ingestion	Do not induce vomiting. No emergency measures are needed but if adverse health effects follow or large amounts are swallowed, seek medical attention.
Skin Contact	Wash the affected parts of the body with soap and water
Eye Contact	Flush eyes immediately with fresh water for at least 5 minutes while holding the eyelids open. Seek medical advice if symptoms persist

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways

4.3 Indication of any immediate medical attention and special treatment needed

In contact with or splashed by hot liquid:
Skin: Cool skin with cool water. Treat burns according to severity. Seek medical advice
Eyes: Cool with water. Seek medical advice

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Foam, dry chemical, carbon dioxide, water mist. Sand or earth

5.2 Special hazards arising from the product

In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustions products: Carbon oxides (CO, CO₂), smoke and irritating vapours as products of incomplete combustion

5.3 Advice for firefighters

Wear positive pressure self-contained breathing apparatus and protective clothing

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition in vicinity of spilled material. Evacuate surrounding areas. Do not touch or walk through spilt material

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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.

Small Spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see section 13 for waste disposal

6.4 Reference to other sections

Section 8 & 13

07. 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)

No additional data

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Oil mist < 5mg/m³. In all circumstances exposure should be kept as low as reasonably possible by good ventilation and safe working practices

DNEL

Dermal

220 mg/kg bw/day DNEL, Chronic Exposure, Systemic Effects

Inhalation

160 mg/m³ DNEL, Chronic Exposure, Systemic Effects

Dermal

92 mg/kg bw/day DNEL, Chronic Exposure, Systemic Effects

Inhalation

35 mg/m³ DNEL, Chronic Exposure, Systemic Effects

Oral

40 mg/kg bw/day DNEL, Chronic Exposure, Systemic Effects

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Note: The Derived No Effect Level (DNEL) is an estimated safe level of exposure that is derived from toxicity data in accord with specific guidance within the European REACH regulation

PNEC Values: - No Data Available

8.2 Exposure controls

Protective Equipment



Process Conditions	No additional data
Engineering Measures	No special requirements under ordinary conditions of use and with adequate ventilation.
Respiratory Equipment	If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate No special requirements under ordinary conditions of use and with adequate ventilation. For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded
Hand Protection	Protective gloves – check suitability and breakthrough times for your use conditions
Eye Protection	Safety glasses with side shields recommended
Other Protection	No additional data
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils
Personal Protection	No additional data
Skin Protection	Clean working conditions and safe handling practices. Change heavily contaminated clothing
Environmental Exposure Controls	See sections 6, 7, 12 & 13

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	Odourless
Relative Density	0.83-0.86 kg/l (@15°C)
Flash Point (°C)	>160°C (ASTM D92, COC)
Refractive Index	No Data
Melting Point (°C)	Not Applicable
Boiling Point (°C)	310-550°C
Vapour Pressure	<0.1 mmHg @20°C
Solubility in Water @20°C	Insoluble

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Auto-ignition temperature (°C) >160°C

9.2 Other information

No additional data

10. STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under recommended storage conditions

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possible hazardous reactions

No specific hazards

10.4 Conditions to Avoid

Extreme temperatures (Ideally store between 5-39°C)

10.5 Incompatible materials

May react with strong oxidants

10.6 Hazardous Decomposition Products

Material does not decompose at ambient temperatures

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Acute Toxicity (oral) LD50>5000mg/kg
Acute Toxicity (dermal) LD50>2000mg/kg
Acute Toxicity (inhalation) LC50 >5200mg/m³/4hr

Skin corrosion / irritation

Not irritant

Serious eye damage / irritation

Repeated or prolonged contact spray, mist or vapours may cause eye irritation but no permanent damage

Respiratory or skin sensitisation

This material has a low vapour pressure and does not cause an irritation to the breathing passages. Aspiration of spray, mist or vapour may cause chemical pneumonitis

Germ Cell Mutagenicity

Negative to Modified Ames test

Carcinogenicity

Does not contain any IARC Group 1, 2(a) or 2(b) Listed Chemicals. Polycyclic Aromatic Hydrocarbons by IP346 <1.0%.

Reproductive toxicity

Does not pose a risk

STOT-single exposure

Not expected

STOT-repeated exposure

Not expected

Aspiration hazard

No additional data

Photo-toxicity

No additional data

Other Information

Prolonged contact to skin or eyes can cause irritation and possible dermatitis

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12. ECOLOGICAL INFORMATION

12.1 Toxicity
<p>Because of its density, will float on water. Since it consists of relatively low molecular weight paraffinic substances, small spillages into water will be dispersed by evaporation and biodegradation</p> <p>Aquatic toxicity (fish): LC50 >400,000ppm in 96h – Rainbow Trout (0% mortality)</p> <p>Aquatic toxicity (algae): not established.</p> <p>Aquatic toxicity (invertebrate): LC50 > 500,000ppm in 96h – Mysidopsis bahia</p>
12.2 Persistence & degradability
Inherently Biodegradable (<60% in 28 days)
12.3 Bioaccumulation Potential
Bioaccumulation is unlikely due to the very low water solubility of this product. Bioavailability to aquatic organisms is minimal
12.4 Mobility in soil
No additional data
12.5 Results of PBT and vPvB Assessment
This substance does not fulfil the criteria for being classed as a PBT or vPvB substance.
12.6 Other adverse effects
Although not toxic to vertebrates and invertebrates, spilled material may affect organisms (especially small invertebrates) by physical smothering leading to deoxygenation of the water below the oil film

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
<p>Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but 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 should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.</p> <p>Hazardous waste: The classification of the product may meet the criteria for a hazardous waste. The waste code must be assigned by the user, preferably in consultation</p>

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	Not classified
UN No. SEA	Not classified
UN No. AIR	Not classified
14.2 UN proper shipping name	
Not classified	
14.3 Transport hazard class(es)	
Not classified	

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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
<p>Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).</p> <p>Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108).</p> <p>EU Legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments</p>
15.2 Chemical safety assessment
Not performed on this substance

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	Asp. Tox. 1; H304 - May be fatal if swallowed and enters airways - aspiration hazard – Cat 1
Other Information	-
Revision Date	21/05/2019
Rev No/Repl, SDS Generated	3

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.