



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date last verification : 2022-07-14
Revision date : 2020-02-10
Issue date : 2017-08-14

Version : 9.2

Indication of changes : §4.1 - §4.2 - §5.1 - §6.1 - §6.3 - §7.1 - §7.2 - §10.6 - §11.1 - §13.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Safety Data Sheet : 33161
Product code : 4219 460 17941
Product name: KLUEBERLUB NH1 11-222
Trade name/designation : GREASE FOR SAEKO, PHILIPS AND GAGGIA ESPRESSO MACHINES

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Lubricants, greases, release agents
Uses advised against : No information available.

1.3. Details of the supplier of the safety data sheet

Supplier : DAP B.V.
Tussendiepen 4a
9206AD Drachten
The Netherlands
Telephone :
Responsible for the compilation of the SDS on behalf of the supplier/ manufacturer : hazcom@philips.com

1.4. Emergency telephone number

Emergency telephone number (regarding transport of DG) : +31 (0)497-598315

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazardous to the aquatic environment - long-term Category 3 H412

2.1.2. Additional information

Full text of H- and EUH-statements: see section 16.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms : none

Signal word : none

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
P501 Dispose of contents/container according to local hazardous waste disposal regulations.

Hazardous ingredients : not applicable

Remarks on labelling The supplier may give a different label (User label).

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition / information on ingredients

3.2. Mixture

CAS No.	EC No.	REACH No.	Concentration (%)	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL / M-factor / ATE
WHITE MINERAL OIL (PETROLEUM) (VISC. >20.5 MPAS 40 CEL.)					
8042-47-5	232-455-8	01-2119487078-27	≥70.0 - <90.0		
WHITE MINERAL OIL (PETROLEUM) (VISC. <20.5 MPAS 40 CEL.)					
8042-47-5	232-455-8	01-2119487078-27	≥1.0 - <10.0	GHS08 H304 Asp. Tox. 1	

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information : No special measures are necessary. When in doubt or if symptoms are observed, get medical advice.

Following inhalation : No special measures are necessary.

Following skin contact : No special measures are necessary. In case of skin irritation, consult a physician.

After eye contact : No special measures are necessary. When in doubt or if symptoms are observed, get medical advice.

Following ingestion : No special measures are necessary.

Self-protection of the first aider : No special measures are necessary.

4.2. Most important symptoms and effects, both acute and delayed

Adverse human health effects and symptoms / Organs affected:

Under normal conditions of use no symptoms and effects are to be expected. However, deviation of the intended use may result in the following symptoms dependent on the route of exposure:

Following inhalation : Prickling sensation. May cause:, sore throat

Following skin contact : Prickling sensation. May cause:, redness

After eye contact : Prickling sensation. May cause:, redness

Following ingestion : Prickling sensation. May cause:, sore throat

Further information: SECTION 11: Toxicological information

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Fire class B: - Carbon dioxide (CO2). - Dry extinguishing powder. - Foam.

Unsuitable extinguishing media : Wet chemical. - Water.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire may be liberated : Carbon monoxide - Nitrogen oxides (NOx) - aluminium oxides - Carbon dioxide (CO2)

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Flame-retardant protective clothing. (EN 469)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protection equipment.

6.1.1. For non-emergency personnel

Protective equipment : Personal protection equipment: see section 8.

Emergency procedures : not applicable.

6.1.2. For emergency responders

Personal protection equipment : Personal protection equipment: see section 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.3.2. For cleaning up

Take up mechanically. Collect in closed and suitable containers for disposal. Clean contaminated articles and floor according to the environmental legislation.

6.3.3. Other information

not determined

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling	: Do not get in eyes, on skin, or on clothing.
Measures to prevent fire	: The product is not: Flammable. No special fire protection measures are necessary.
Measures to prevent aerosol and dust generation	: Not dust explosive.
Environmental precautions	: Avoid release to the environment.
Advices on general occupational hygiene	: When using do not eat, drink, smoke, sniff. Take off contaminated clothing. Wash hands before breaks and after work.
Further information	: No information available.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	: Keep/Store only in original container. Keep container tightly closed. - Store in a cool dry place. - Store in a well-ventilated place.
storage temperature	: No information available.
Requirements for storage rooms and vessels	: No information available.
Storage class	: No information available.
Materials to avoid	: No information available.
Further information on storage conditions	: No information available.

7.3. Specific end use(s)

Recommendation	: not applicable
Industrial sector specific solutions	: No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

Substance name	Limit value	The Netherlands		Germany		Belgium		Switzerland	
		mg/m ³	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³	ppm
WHITE MINERAL OIL (PETROLEUM) (VISC. >20.5 MPAS 40 CEL.)		(oil aerosol, recommended by the Health Council)		(respirable dust)		(oil aerosol)		(oil aerosol)	
		8 hour(s)	1.6	5		5		5	
		15 minutes		20		10			
		C							
WHITE MINERAL OIL (PETROLEUM) (VISC. >20.5 MPAS 40 CEL.)	8 hour(s)	(oil aerosol)	S						
		5							

		The Netherlands		Germany		Belgium		Switzerland	
Substance name	Limit value	mg/m ³	ppm						
	15 minutes								
	C								
WHITE MINERAL OIL (PETROLEUM) (VISC. <20.5 MPAS 40 CEL.)		(oil aerosol)	S	(respirable dust)		(oil aerosol)		(inhalable dust)	
	8 hour(s)	5		5		5		5	
	15 minutes			20		10			
	C								
WHITE MINERAL OIL (PETROLEUM) (VISC. <20.5 MPAS 40 CEL.)								(oil aerosol)	
	8 hour(s)							5	
	15 minutes								
	C								

		Russia							
Substance name	Limit value	mg/m ³	ppm						
WHITE MINERAL OIL (PETROLEUM) (VISC. >20.5 MPAS 40 CEL.)				H					
	8 hour(s)	5							
	15 minutes								
	C								
WHITE MINERAL OIL (PETROLEUM) (VISC. <20.5 MPAS 40 CEL.)				H					
	8 hour(s)	5							
	15 minutes								
	C								

Source : SUVA, Dutch Health Council, 2006/15/EC, 2004/37/EC, LOLI DB, 2000/39/EC, GWBB/VLEP, Gestis, 91/322/EEC, 2017/164/EU, INRS (Fr), TRGS 905, TRGS 910, Austrian OEL Regulation, Dutch Social-Economic Council (SER), US OSHA, EU OSHA, TRGS 900, ACGIH®, 2009/161/EU

20 °C, 1013 mbar: European Union / China / South Korea

25 °C, 1013 mbar: United States / Canada / Japan

[x]: appraisal period x minutes

C: peak limitation

H: skin resorptive

S: Statutory threshold limit value

ALARA: As low as reasonably achievable (ALARA principle).

Remark Occupational exposure limit values

none

DNEL (Derived No Effect Level (DNEL-value))

Substance name	Exposure route	DNEL worker			
		systemic		local	
		long-term	short-term	long-term	short-term
WHITE MINERAL OIL (PETROLEUM) (VISC. <20.5 MPAS 40 CEL.)	oral [mg/kg bw/day]			Not required.	
	Inhalation [mg/m ³] 10	160			
	dermal [mg/kg bw/day]	220			

PNEC (Predicted No Effect Concentration (PNEC-value))

No information available.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Safe handling: see section 7 Technical measures and the application of suitable work processes have priority over personal protection equipment.

8.2.2. Personal protection equipment

Eye/face protection : Suitable eye protection: Eye glasses with side protection.

Skin protection

Hand protection : Suitable material: NBR (Nitrile rubber).

Body protection : Only wear fitting, comfortable and clean protective clothing. Suitable protective clothing: lab coat. Chemical resistant safety shoes.

Respiratory protection : If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Use only respiratory protection equipment with CE-symbol including four digit test number. Suitable respiratory protection apparatus: Filter type: A.

8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Paste
Colour	: yellow
Odour	: No information available.
Odour threshold	: No information available.
pH	: No information available.
Melting point/freezing point	: No information available.
Initial boiling point and boiling range	: No information available.
Flash point	: No information available.
Evaporation rate	: No information available.
Flammability	: No information available.
Upper/lower flammability or explosive limits	
Upper explosion limit	: No information available.
Lower explosion limit	: No information available.
Vapour pressure	: <0.001 hPa (20 °C)
Vapour density	: No information available.
Relative density	: 0.90 (water=1) (20 °C)
Solubility(ies)	
Water	: practically insoluble
Partition coefficient n-octanol/water	
WHITE MINERAL OIL (PETROLEUM) (VISC. >20.5 MPAS 40 CEL.)	: >6 - Source: CONCAWE
WHITE MINERAL OIL (PETROLEUM) (VISC. <20.5 MPAS 40 CEL.)	: >6 - Source: LOLI
Auto-ignition temperature	: No information available.
Decomposition temperature	: No information available.
Viscosity	: No information available.
Explosive properties:	: not applicable
Oxidising properties	: not applicable

9.2. Other information

Critical temperature Tc	: not applicable
Fat solubility	: No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Stable under recommended storage and handling conditions.

10.5. Incompatible materials

Oxidising substances

10.6. Hazardous decomposition products

No known hazardous decomposition products. - Decomposition products in case of fire: see section 5.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Following ingestion : No
Skin contact : No
Inhalation : No

Substances	Dose / Concentration	Value	Species	Exposure time	Method
WHITE MINERAL OIL (PETROLEUM) (VISC. >20.5 MPAS 40 CEL.)					
oral	LD50:	>5000 mg/kg	Rat		
dermal	LD50:	>2000 mg/kg	Rabbit		
Inhalation (vapour)	LC50:	>5 mg/L	Rat	4 hour(s)	
WHITE MINERAL OIL (PETROLEUM) (VISC. <20.5 MPAS 40 CEL.)					
oral	LD50:	>5000 mg/kg	Rat		OECD 401
dermal	LD50:	>2000 mg/kg	Rabbit		OECD 402
Inhalation (vapour)	LC50:	>5 mg/L	Rat	4 hour(s)	OECD 403

Skin corrosion/irritation	: not applicable
Serious eye damage/eye irritation	: not applicable
Respiratory or skin sensitisation	: not applicable
Germ cell mutagenicity	: No indications of human germ cell mutagenicity exist.
Carcinogenicity	: No indication of human carcinogenicity.
Reproductive toxicity	: No indications of human reproductive toxicity exist.
STOT-single exposure	: not applicable
STOT-repeated exposure	: not applicable
Aspiration hazard	: not applicable
Symptoms	
Following inhalation	: Prickling sensation. May cause:, sore throat
Following skin contact	: Prickling sensation. May cause:, redness
After eye contact	: Prickling sensation. May cause:, redness
Following ingestion	: Prickling sensation. May cause:, sore throat

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

11.2.2. Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Substance name	Acute (short-term) fish toxicity	Acute (short-term) toxicity to crustacea	Acute (short-term) toxicity to algae and cyanobacteria	Toxicity to other aquatic plants/organisms
WHITE MINERAL OIL (PETROLEUM) (VISC. >20.5 MPAS 40 CEL.)	LC50: >100 mg/L 96 hour(s) Fish - Source: ECHA - Method: OECD 203	EC50: >100 mg/L 48 hour(s) Daphnia - Source: ECHA - Method: OECD 202	IC50: ≥100 mg/L 72 hour(s) Algae - Source: ECHA - Method: OECD 201	
WHITE MINERAL OIL (PETROLEUM) (VISC. <20.5 MPAS 40 CEL.)	LC50: >100 mg/L 96 hour(s) Fish - Source: ECHA - Method: OECD 203	EC50: >100 mg/L 48 hour(s) Daphnia - Source: ECHA - Method: OECD 202	NOEC: ≥100 mg/L 72 hour(s) Algae - Source: ECHA - Method: OECD 201	

12.2. Persistence and degradability

Biodegradation

WHITE MINERAL OIL (PETROLEUM) (VISC. >20.5 MPAS 40 CEL.) : none - Source: ECHA - Method: OECD 301F
 WHITE MINERAL OIL (PETROLEUM) (VISC. <20.5 MPAS 40 CEL.) : none - Source: ECHA - Method: OECD 301F

Chemical oxygen demand (COD) : No information available.

Biochemical oxygen demand : No information available.
BOD5/COD ratio : No information available.

12.3. Bioaccumulative potential

Bioconcentration factor (BCF) : No information available.

Partition coefficient n-octanol/water
WHITE MINERAL OIL (PETROLEUM) (VISC. >20.5 : >6 - Source: CONCAWE
MPAS 40 CEL.)
WHITE MINERAL OIL (PETROLEUM) (VISC. <20.5 : >6 - Source: LOLI
MPAS 40 CEL.)

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

12.8. Additional ecotoxicological information

Observe local regulations concerning effluent treatment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

Other disposal recommendations : not applicable

SECTION 14: Transport information

14.1. UN number or ID number

No dangerous good in sense of these transport regulations.

14.2. UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3. Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4. Packing group

No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

Marine pollutant : No

14.6. Special precautions for user

No dangerous good in sense of these transport regulations.

14.7. Maritime transport in bulk according to IMO instruments

No information available.

SECTION 15: Regulatory information

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

International regulations:

Minamata Convention on Mercury : not applicable

EU legislation

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

WHITE MINERAL OIL (PETROLEUM) (VISC. <20.5 MPAS 40 : 34 CEL.)

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH:

not applicable

Overall Assessment on CMR properties

according to Regulation (EC) No. 1907/2006 (REACH) : not applicable

Regulation (EC) No 850/2004 [POP-Regulation]

not applicable

Regulation (EC) No. 2037/2000 concerning materials, which cause damage to the ozone layer.

not applicable

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Additional information

none

Relevant H-phrases (Number and full text)

H304 May be fatal if swallowed and enters airways.

Abbreviations and acronyms

ACGIH®	American Conference of Governmental Industrial Hygienists
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
AICS	Australian Inventory of Chemical Substances
BuAc	n-Butyl acetate
CAS	Chemical Abstracts Service
CCID	New Zealand Chemical Classification and Information Database
DSL	Canada Domestic Substances List
ECHA-RAC	ECHA Committee for Risk Assessment
EFSA	European Food Safety Authority
EHSP	OECD Environment, Health, and Safety Publication
EmS	Emergency Schedule
EU-CLH	European Union Harmonised Classification and Labelling
GESTIS	Databases on hazardous substances of the German Social Accident Insurance
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
GWBB-VLEP	Grenswaarden voor beroepsmatige blootstelling/Valeurs limites d'exposition professionnelle
HHS	U.S. Department of Health and Human Services
HSDB	Hazardous Substances Data Bank
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INRS	French National Research and Safety Institute for the Prevention of Occupational Accidents and Diseases
JP-GHS	Japan GHS Basis for Classification Data
KHC	Known human carcinogens.
LEL	Lower explosion limit
LOLI	LOLI (List of Lists) Database
n.a.	not applicable
NDSL	Canada Non-domestic Substance List
NICNAS	Australia National Industrial Chemicals Notification and Assessment Scheme
NIER	South Korea National Institute of Environmental Research Evaluations
NLM	United States National Library of Medicine
NTP	National Toxicology Program
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Co-operation and Development
OSHA	Occupational Safety & Health Administration
OUE	European Odour Unit

RAHC	Reasonably Anticipated Human Carcinogen
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SCOEL	Scientific Committee on Occupational Exposure Limits (EU)
SIDS	OECD Screening Information Data Sets
SUVA	Swiss Accident Insurance Fund
TRGS	Technische Regeln für Gefahrstoffe
TSCA	The Toxic Substances Control Act Chemical Substance Inventory
TWA	Time Weighted Average
UEL	Upper explosion limit
UN	United Nations
US-EPA	United States Environmental Protection Agency

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