

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 16/12/2020 Revision date: 03/01/2024 Supersedes version of: 14/09/2023 Version: 1.11

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

1.1. Product identifier

Product form : Mixture

Trade name : RUN-N-SEAL® ECF

Product code : J292
Product group : Mixtures

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer Distributor

Whitmore Manufacturing LLC

Whitmore Drive

Light 9

930 Whitmore Drive Unit 9

75087 Rockwall, Texas Foster Avenue, Woodside Park Industrial Estate

USA Dunstable, Bedfordshire , LU5 5TA

T 1.972.771.1000 United Kingdom
Regulatory@whitmores.com - www.jetlube.com T +44 1707 379870

Regulatory@whitmores.com - www.yelidobe.com

1.4. Emergency telephone number

Emergency number : For Chemical Emergency Call CHEMTREC 24hr/day 7days/week

Within USA and Canada: 1.800.424.9300 Outside USA and Canada: +1.703.527.3887

(collect calls accepted)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	Chemtrec - United Kingdom	London	Local (City) +44 20 3807 3798	
United Kingdom	Chemtrec - United Kingdom		Local (National) +44 870 820 0418	
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment – Chronic Hazard, H412

Category 3

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

### Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects.

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#### 2.2. Label elements

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

Signal word (CLP) : -

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component		
graphite (7782-42-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
white mineral oil (petroleum) (8042-47-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

# **SECTION 3: Composition/information on ingredients**

### 3.1. Substances

Not applicable

#### 3.2 Mixtures

3.2. MIXTURES			
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Fluorite (CaF2)	CAS-No.: 14542-23-5	20 - 30	Not classified
distillates (petroleum), hydrotreated heavy paraffinic (Note L)	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8	20 - 30	Not classified
graphite	CAS-No.: 7782-42-5 EC-No.: 231-955-3	5 - 10	Aquatic Chronic 2, H411
Distillates (petroleum), hydrotreated heavy naphthenic (Note L)	CAS-No.: 64742-52-5 EC-No.: 265-155-0 EC Index-No.: 649-465-00-7	6.130701	Not classified
white mineral oil (petroleum)	CAS-No.: 8042-47-5 EC-No.: 232-455-8	4.16974956	Asp. Tox. 1, H304
Distillates, petroleum, hydrotreated heavy naphthenic (Note H)(Note L)	CAS-No.: 64742-52-5 EC-No.: 265-155-0 EC Index-No.: 649-465-00-7		Not classified
Distillates (petroleum), solvent-dewaxed heavy paraffinic (Note H)(Note L)	CAS-No.: 64742-65-0 EC-No.: 265-169-7 EC Index-No.: 649-474-00-6		Not classified

Note H:

The classification and labelling shown for this substance applies to the hazardous property(ies) indicated by the hazard statement(s) in combination with the hazard class(es) and category(ies) shown. The requirements of Article 4 for manufacturers, importers or downstream users of this substance apply to all other hazard classes and categories. For hazard classes where the route of exposure or the nature of the effects leads to a differentiation of the classification of the hazard class, the manufacturer, importer or downstream user is required to consider the routes of exposure or the nature of the effects not already considered.

Note L:

The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

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

### **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

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First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

# **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Water spray. Dry powder. Foam.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

# **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Exercise caution. Spill area may be slippery.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

# 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

# **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

#### 7.3. Specific end use(s)

No additional information available

# **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

# 8.1.1 National occupational exposure and biological limit values

Fluorite (CaF2) (14542-23-5)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name Fluorine		
IOEL TWA [ppm]	1 ppm	
IOEL STEL	3.16 mg/m³	
IOEL STEL [ppm] 2 ppm		
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
EU - Biological Limit Value (BLV)		
Local name Fluorine and inorganic fluorides		
BLV 8 mg/l Parameter: F - Medium: urine - Sampling time: end of shift		
Regulatory reference SCOEL List of recommended health-based BLVs and BGVs		

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Fluorite (CaF2) (14542-23-5)		
United Kingdom - Occupational Exposure Limits		
Local name	Fluorine	
WEL TWA (OEL TWA) [1]	1.6 mg/m³	
WEL TWA (OEL TWA) [2]	1 ppm	
WEL STEL (OEL STEL) 1.6 mg/m³		
WEL STEL (OEL STEL) [ppm]	1 ppm	
Regulatory reference EH40/2005 (Fourth edition, 2020). HSE		
graphite (7782-42-5)		
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1]  10 mg/m³ 4 mg/m³		

### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

# 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

# 8.2.1. Appropriate engineering controls

### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

# 8.2.2.1. Eye and face protection

# Eye protection:

Wear eye protection

# 8.2.2.2. Skin protection

# Skin and body protection:

Wear suitable protective clothing

# Hand protection:

Neoprene or nitrile rubber gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	2 (> 30 minutes)	0.3 - 0.6 mm		

### Other skin protection

### Materials for protective clothing:

Wear protective clothing

# 8.2.2.3. Respiratory protection

# Respiratory protection:

No respiratory protection needed under normal use conditions

### 8.2.2.4. Thermal hazards

No additional information available

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# 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state : Solid
Colour : Black.
Appearance : Grease.

Odour : petroleum-like odour.

Odour threshold : Not available Melting point : Not available Freezing point : Not applicable Boiling point : Not available Flammability : Not available Lower explosion limit : Not applicable Upper explosion limit : Not applicable Flash point : > 232 °C Open cup Auto-ignition temperature : Not applicable Decomposition temperature : Not available pΗ : Not available : Not available pH solution Viscosity, kinematic : > 25 mm<sup>2</sup>/s @ 40 C Solubility : insoluble in water. Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50°C : Not available : Not available Density : Not available Relative density Relative vapour density at 20°C : Not applicable Particle size : Not available

# 9.2. Other information

## 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

# 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

# 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### **SECTION 11: Toxicological information**

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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distillates (petroleum), hydrotreated heavy p	paraffinic (64742-54-7)
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 dermal rabbit	> 5000 mg/kg Source: IUCLID
LC50 Inhalation - Rat	> 25 mg/l/4h
graphite (7782-42-5)	
LD50 oral rat	> 2000 mg/kg (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)
LC50 Inhalation - Rat	> 2000 mg/m³ air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust))
LC50 Inhalation - Rat (Dust/Mist)	> 2 mg/l Source: ECHA
Distillates, petroleum, hydrotreated heavy n	aphthenic (64742-52-5)
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
Distillates (petroleum), solvent-dewaxed hea	avy paraffinic (64742-65-0)
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
white mineral oil (petroleum) (8042-47-5)	
LD50 oral rat	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Readacross, Oral)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal)
LC50 Inhalation - Rat	> 5 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Read-across, Inhalation (aerosol))
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
graphite (7782-42-5)	
рН	7 (1.3 %)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
graphite (7782-42-5)	
рН	
	7 (1.3 %)
Respiratory or skin sensitisation	7 (1.3 %)  : Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation Germ cell mutagenicity	
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
' '	: Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity Carcinogenicity Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity Carcinogenicity	Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure	Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure	Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)     Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure distillates (petroleum), hydrotreated heavy p	: Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met)  Paraffinic (64742-54-7)  125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408
Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure distillates (petroleum), hydrotreated heavy p	: Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met)  Paraffinic (64742-54-7)  125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408
Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure distillates (petroleum), hydrotreated heavy p LOAEL (oral, rat, 90 days) graphite (7782-42-5)	: Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met)  Paraffinic (64742-54-7)  125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure  distillates (petroleum), hydrotreated heavy p LOAEL (oral, rat, 90 days)  graphite (7782-42-5)  NOAEC (inhalation, rat, dust/mist/fume, 90 days)	: Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met)  Paraffinic (64742-54-7)  125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure  distillates (petroleum), hydrotreated heavy p LOAEL (oral, rat, 90 days)  graphite (7782-42-5) NOAEC (inhalation, rat, dust/mist/fume, 90 days)  Distillates, petroleum, hydrotreated heavy n LOAEL (oral, rat, 90 days)	: Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met)  Paraffinic (64742-54-7)  125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)  0.000279 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)  aphthenic (64742-52-5)  125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure distillates (petroleum), hydrotreated heavy p LOAEL (oral, rat, 90 days)  graphite (7782-42-5) NOAEC (inhalation, rat, dust/mist/fume, 90 days)  Distillates, petroleum, hydrotreated heavy n	: Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met)  Paraffinic (64742-54-7)  125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)  0.000279 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)  aphthenic (64742-52-5)  125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

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Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)			
IOAEL (dermal, rat/rabbit, 90 days) ≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dermal Toxicity: 21/28-Day Study)			
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)		
RUN-N-SEAL® ECF			
Viscosity, kinematic > 25 mm²/s @ 40 C			
distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)			
Viscosity, kinematic	psity, kinematic 1.99 – 847 mm²/s Temp.: '40°C' Parameter: 'mm²/smm2/s '		
Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)			
/iscosity, kinematic 1.99 – 847 mm²/s Temp.: '40°C' Parameter: 'mm²/smm2/s '			
Distillates (petroleum), solvent-dewaxed	Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)		
/iscosity, kinematic 1.99 – 847 mm²/s Temp.: '40°C' Parameter: 'mm²/smm2/s '			
white mineral oil (petroleum) (8042-47-5)			
/iscosity, kinematic > 3 mm²/s (40 °C, ISO 3104: Determination of kinematic viscosity and calculation of dynamic viscosity)			

### 11.2. Information on other hazards

No additional information available

# **SECTION 12: Ecological information**

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term

(acute)

: Not classified

Hazardous to the aquatic environment, long-term

(chronic)

: Harmful to aquatic life with long lasting effects.

Not rapidly degradable

Fluorite (CaF2) (14542-23-5)	istrapialy asguatable		
distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)  LC50 - Fish [1] > 5000 mg/l  EC50 - Crustacea [1] > 1000 mg/l Source: IUCLID  EC50 96h - Algae [1] > 1000 mg/l Source: IUCLID  graphite (7782-42-5)  LC50 - Fish [1] > 100 mg/l  EC50 - Crustacea [1] > 100 mg/l  EC50 - Crustacea [1]   19 mg/l  EC50 72h - Algae [2]   7.2 mg/l  EC50 72h - Algae [2]   7.2 mg/l  EC50 algae > 100 mg/l  NOEC (chronic)   47 mg/l  white mineral oil (petroleum) (8042-47-5)  LC50 - Fish [1] > 100 mg/l  12.2. Persistence and degradability  Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)  Persistence and degradability   Biodegradability in water: no data available.  white mineral oil (petroleum) (8042-47-5)	luorite (CaF2) (14542-23-5)		
Source	EC50 96h - Algae [1]	7444 mg/l Source: ECOSAR	
EC50 - Crustacea [1]   > 1000 mg/l Source: IUCLID	distillates (petroleum), hydrotreated heavy pa	raffinic (64742-54-7)	
EC50 96h - Algae [1]   > 1000 mg/l Source: IUCLID	LC50 - Fish [1]	> 5000 mg/l	
Continue	EC50 - Crustacea [1]	> 1000 mg/l Source: IUCLID	
LC50 - Fish [1]   > 100 mg/l	EC50 96h - Algae [1]	> 1000 mg/l Source: IUCLID	
EC50 - Crustacea [1] > 100 mg/l  EC50 72h - Algae [1] 19 mg/l  EC50 72h - Algae [2] 7.2 mg/l  ErC50 algae > 100 mg/l  NOEC (chronic) 47 mg/l  white mineral oil (petroleum) (8042-47-5)  LC50 - Fish [1] > 100 mg/l  12.2. Persistence and degradability  Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)  Persistence and degradability Biodegradability in water: no data available.  white mineral oil (petroleum) (8042-47-5)	graphite (7782-42-5)		
EC50 72h - Algae [1] 19 mg/l  EC50 72h - Algae [2] 7.2 mg/l  ErC50 algae > 100 mg/l  NOEC (chronic) 47 mg/l  white mineral oil (petroleum) (8042-47-5)  LC50 - Fish [1] > 100 mg/l  12.2. Persistence and degradability  Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)  Persistence and degradability Biodegradability in water: no data available.  white mineral oil (petroleum) (8042-47-5)	LC50 - Fish [1]	> 100 mg/l	
EC50 72h - Algae [2]  FC50 algae  > 100 mg/l  NOEC (chronic)  47 mg/l  white mineral oil (petroleum) (8042-47-5)  LC50 - Fish [1]  > 100 mg/l  12.2. Persistence and degradability  Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)  Persistence and degradability  Biodegradability in water: no data available.  white mineral oil (petroleum) (8042-47-5)	EC50 - Crustacea [1]	> 100 mg/l	
ErC50 algae > 100 mg/l  NOEC (chronic) 47 mg/l  white mineral oil (petroleum) (8042-47-5)  LC50 - Fish [1] > 100 mg/l  12.2. Persistence and degradability  Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)  Persistence and degradability Biodegradability in water: no data available.  white mineral oil (petroleum) (8042-47-5)	EC50 72h - Algae [1]	19 mg/l	
NOEC (chronic)  white mineral oil (petroleum) (8042-47-5)  LC50 - Fish [1]  > 100 mg/l  12.2. Persistence and degradability  Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)  Persistence and degradability  Biodegradability in water: no data available.  white mineral oil (petroleum) (8042-47-5)	EC50 72h - Algae [2]	7.2 mg/l	
white mineral oil (petroleum) (8042-47-5)  LC50 - Fish [1] > 100 mg/l  12.2. Persistence and degradability  Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)  Persistence and degradability Biodegradability in water: no data available.  white mineral oil (petroleum) (8042-47-5)	ErC50 algae	> 100 mg/l	
LC50 - Fish [1] > 100 mg/l  12.2. Persistence and degradability  Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)  Persistence and degradability  Biodegradability in water: no data available.  white mineral oil (petroleum) (8042-47-5)	NOEC (chronic)	47 mg/l	
12.2. Persistence and degradability  Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)  Persistence and degradability  Biodegradability in water: no data available.  white mineral oil (petroleum) (8042-47-5)	white mineral oil (petroleum) (8042-47-5)		
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)  Persistence and degradability  Biodegradability in water: no data available.  white mineral oil (petroleum) (8042-47-5)	LC50 - Fish [1]	> 100 mg/l	
Persistence and degradability Biodegradability in water: no data available.  white mineral oil (petroleum) (8042-47-5)	12.2. Persistence and degradability		
white mineral oil (petroleum) (8042-47-5)	Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)		
	Persistence and degradability Biodegradability in water: no data available.		
Persistence and degradability  Not rapidly degradable.	white mineral oil (petroleum) (8042-47-5)		
	Persistence and degradability	Not rapidly degradable.	

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12.3.	<b>Bioaccum</b>	ulative	potential
12.0.	Dioaccaiii	uiuti v c	potential

12.5. Bioaccamalative potential	2.0. Bloadcamalative potential		
distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)			
Partition coefficient n-octanol/water (Log Pow) 3.9 – 6 Source: IUCLID			
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)			
Partition coefficient n-octanol/water (Log Pow) 3.9 – 6 (calculated value)			
white mineral oil (petroleum) (8042-47-5)			
Partition coefficient n-octanol/water (Log Pow) > 6 (calculated value)			

# 12.4. Mobility in soil

white mineral oil (petroleum) (8042-47-5)		
	Ecology - soil	Product adsorbs onto the soil.

### 12.5. Results of PBT and vPvB assessment

Component		
graphite (7782-42-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
white mineral oil (petroleum) (8042-47-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

# 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

# **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID	
14.1. UN number or ID number					
Not regulated for transport					
14.2. UN proper shipping name					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.3. Transport hazard class(es)					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.4. Packing group					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.5. Environmental hazards					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
No supplementary information available					

# 14.6. Special precautions for user

# Overland transport

Not regulated

# Transport by sea

Not regulated

# Air transport

Not regulated

### **Inland waterway transport**

Not regulated

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#### Rail transport

Not regulated

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### **SECTION 15: Regulatory information**

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

### 15.1.1. EU-Regulations

#### **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

## 15.1.2. National regulations

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information			
Abbreviations and acronyms:			
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008		
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006		
WGK	Water Hazard Class		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways		
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road		
ATE	Acute Toxicity Estimate		
BCF	Bioconcentration factor		
BLV	Biological limit value		
BOD	Biochemical oxygen demand (BOD)		
COD	Chemical oxygen demand (COD)		
DMEL	Derived Minimal Effect level		
DNEL	Derived-No Effect Level		
EC-No.	European Community number		
EC50	Median effective concentration		
EN	European Standard		
IARC	International Agency for Research on Cancer		
IATA	International Air Transport Association		

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Abbreviations and acronyms:		
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUF	text of H- and EUH-statements:		
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2		
Asp. Tox. 1	Aspiration hazard, Category 1		
H304	May be fatal if swallowed and enters airways.		
H411	Toxic to aquatic life with long lasting effects.		
H412	Harmful to aquatic life with long lasting effects.		

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.