



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 07-May-2024

Version 11

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

1.1. Product identifier

Product Code 80078

Product Name 133K ANTI-SEIZE LUBRICANT 8OZ

Unique Formula Identifier (UFI) Code M5WH-T0N2-F000-6VNJ

Other means of identification

Contains CALCIUM OXIDE, ALUMINIUM POWDER, DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC, PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT

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

Recommended Use Lubricant

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

ITW Permatex, Inc.
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

Only Representative (OR)

ITW Permatex, Inc.
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82
353(61)771500
353(61)471285
customerservice.shannon@itwpp.com

For further information, please contact

Contact Point ITW Permatex, Inc.
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

E-mail address: mail@permatex.com

Non-Emergency Telephone Number 866-732-9502

1.4. Emergency telephone number

24-hour emergency phone number - §45 - (EC)1272/2008	
Europe	112
Austria	01 406 43 43
Belgium	070 245 245
Denmark	+ 45 8212 1212
Finland	0800 147 111/ 09 471 977

France	+33 (0)1 45 42 59 59
Germany	+49 228 192 40
Ireland	01 809 2166
Italy	0382-24444
Netherlands	+31 (0)88 755 8000
Norway	22 59 13 00
Poland	112
Portugal	+351 800 250 250
Slovenia	112
Spain	+34 91 562 04 20
Sweden	112
Switzerland	145
United Kingdom	111
Bulgaria	+359 2 9154 233
Croatia	+3851 2348 342
Cyprus	1401
Czech Republic	+420 224 919 293/ +420 224 915 402
Estonia	16662/ (+372) 7943 794
Greece	(003) 2107793777
Hungary	+36 80 201 199
Iceland	543 2222
Latvia	+371 67042473
Liechtenstein	01 406 43 43
Lithuania	+370 (85) 2362052
Luxembourg	(+352) 8002 5500
Romania	+40213183606
Slovakia	+421 2 5477 4166
Malta	112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Carcinogenicity	Category 1B - (H350)

2.2. Label elements

Contains CALCIUM OXIDE, ALUMINIUM POWDER, DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC, PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT



Signal word

Danger

Hazard statements

H302 - Harmful if swallowed. H332 - Harmful if inhaled. H350 - May cause cancer.

P201 - Obtain special instructions before use. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P264 - Wash face, hands and any exposed skin thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P312 - Call a POISON CENTER or doctor if you feel unwell. P501 - Dispose of contents/ container to an approved waste disposal plant.

2.3. Other hazards

Toxic to aquatic life. Note L: The classification as a carcinogen 1 does not apply. The substance contains less than 3 % DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances in Annex I. High viscosity.

Endocrine Disruptor Information**SECTION 3: Composition/information on ingredients****3.1 Substances**

Chemical name	Weight-%	REACH registration No.	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Almandite-Ferric Aluminum Silicate 1302-62-1	25 - <50%		-	-	-	-	-
MINERAL OIL 8042-47-5	25 - <50%		232-455-8	-	-	-	-
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	10 - <20%	Registration no. 01-211946717 0-45-XXXX	(649-465-00-7) 265-155-0	Carc. 1B (H350) Note:L	-	-	-
ALUMINIUM POWDER 7429-90-5	5 - <10%		(013-002-00-1) (013-001-00-6) 231-072-3	Flam. Sol. 1 (H228) Water-react. 2 (H261)	-	-	-
GRAPHITE 7782-42-5	2.5 - <5%		231-955-3	-	-	-	-
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT 64742-71-8	1 - <2.5%		(649-478-00-8) 265-176-5	Carc. 1B (H350)	-	-	-

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

Acute Toxicity Estimate

No information available

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
MINERAL OIL 8042-47-5	5000	No data available	No data available	No data available	No data available
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	5000	5000	No data available	No data available	No data available
ALUMINIUM POWDER 7429-90-5	No data available	No data available	0.888	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Rinse mouth.

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

Symptoms	No information available.
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4.3. Indication of any immediate medical attention and special treatment needed

Effects of Exposure	No information available.
Note to physicians	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Small Fire	In case of fire, use water spray, foam, dry chemical, or CO ₂ .
Large Fire	In case of fire, use water spray, foam, dry chemical, or CO ₂ .
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	No information available.
Hazardous combustion products	No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.
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6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections	See section 8 for more information. See section 13 for more information.
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SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling	Ensure adequate ventilation.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed in a dry and well-ventilated place.
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7.3. Specific end use(s)

Specific use(s)
Lubricant.

Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.
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SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
ALUMINIUM POWDER 7429-90-5	-	TWA: 10 mg/m ³ STEL 20 mg/m ³	TWA: 1 mg/m ³	TWA: 10.0 mg/m ³ TWA: 1.5 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³
GRAPHITE 7782-42-5	-	TWA: 5 mg/m ³ STEL 10 mg/m ³	TWA: 2 mg/m ³	TWA: 5.0 mg/m ³	TWA: 4 mg/m ³ TWA: 10 mg/m ³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
ALUMINIUM POWDER 7429-90-5	-	TWA: 10.0 mg/m ³	TWA: 5 mg/m ³ TWA: 2 mg/m ³ STEL: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³	TWA: 1.5 mg/m ³

GRAPHITE 7782-42-5	-	TWA: 2.0 mg/m ³	STEL: 4 mg/m ³ TWA: 2.5 mg/m ³ STEL: 5 mg/m ³ natural	TWA: 5 mg/m ³	TWA: 2 mg/m ³
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
MINERAL OIL 8042-47-5	-	TWA: 5 mg/m ³	TWA: 5 mg/m ³ Peak: 20 mg/m ³	-	TWA: 5 mg/m ³
ALUMINIUM POWDER 7429-90-5	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 1.25 mg/m ³ TWA: 10 mg/m ³	TWA: 4 mg/m ³ TWA: 1.5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 1 mg/m ³
GRAPHITE 7782-42-5	TWA: 2 mg/m ³	TWA: 1.25 mg/m ³ TWA: 10 mg/m ³	TWA: 0.3 mg/m ³ TWA: 4 mg/m ³ Peak: 2.4 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 5 mg/m ³ TWA: 2 mg/m ³
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
MINERAL OIL 8042-47-5	-	-	-	TWA: 5 mg/m ³	-
ALUMINIUM POWDER 7429-90-5	TWA: 1 mg/m ³ STEL: 3 mg/m ³	-	TWA: 1 mg/m ³	TWA: 2 mg/m ³	TWA: 5 mg/m ³ TWA: 2 mg/m ³ TWA: 1 mg/m ³
GRAPHITE 7782-42-5	TWA: 2 mg/m ³ STEL: 6 mg/m ³	-	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 5 mg/m ³
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
ALUMINIUM POWDER 7429-90-5	-	-	-	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 2.5 mg/m ³ TWA: 1.2 mg/m ³
GRAPHITE 7782-42-5	-	-	-	TWA: 5 mg/m ³ TWA: 2 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 10 mg/m ³ STEL: 4 mg/m ³ STEL: 20 mg/m ³ STEL: 8 mg/m ³	TWA: 4.0 mg/m ³ TWA: 1.0 mg/m ³ TWA: 6 mg/m ³
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
MINERAL OIL 8042-47-5	-	-	-	TWA: 5 mg/m ³ STEL: 20 mg/m ³	-
ALUMINIUM POWDER 7429-90-5	TWA: 1 mg/m ³	TWA: 3 mg/m ³ TWA: 1 mg/m ³ STEL: 10 mg/m ³ STEL: 3 mg/m ³	TWA: 4 mg/m ³ TWA: 1.5 mg/m ³	-	TWA: 1 mg/m ³
GRAPHITE 7782-42-5	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 10 mg/m ³ TWA: 2 mg/m ³	-	TWA: 2 mg/m ³
Chemical name	Sweden		Switzerland		United Kingdom
MINERAL OIL 8042-47-5	-		TWA: 5 mg/m ³		-
ALUMINIUM POWDER 7429-90-5	NGV: 5 mg/m ³ NGV: 2 mg/m ³		TWA: 3 mg/m ³ TWA: 10 mg/m ³		TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
GRAPHITE 7782-42-5	-		TWA: 3 mg/m ³ TWA: 10 mg/m ³		TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
ALUMINIUM POWDER 7429-90-5	-	60 µg/g Creatinine (urine - Aluminum after end of work	-	200 µg/L - urine (Aluminum) - at the end of the work shift	-

		day, at the end of a work week/end of the shift) (-)			
Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
ALUMINIUM POWDER 7429-90-5	-	-	-	50 µg/g Creatinine (urine - Aluminum for long-term exposures: at the end of the shift after several shifts) 50 µg/g Creatinine - BAT (for long-term exposures: at the end of the shift after several shifts) urine 15 µg/g Creatinine - BAR (for long-term exposures: at the end of the shift after several shifts) urine	50 µg/g Creatinine (urine - Aluminum for long-term exposures: at the end of the shift after several shifts)
Chemical name	Latvia	Luxembourg	Romania	Slovakia	
ALUMINIUM POWDER 7429-90-5	-	-	200 µg/L - urine (Aluminum) - end of shift	60 µg/g creatinine (urine - Aluminum not critical)	
Chemical name	Slovenia	Spain	Switzerland	United Kingdom	
ALUMINIUM POWDER 7429-90-5	50 µg/L - urine (Aluminum) - for long-term exposure: at the end of the work shift after several consecutive workdays	-	50 µg/g creatinine (urine - Aluminum after several shifts (for long-term exposures)) 0.21 µmol/mmol creatinine (urine - Aluminum after several shifts (for long-term exposures))	-	

8.2. Exposure controls

Derived No Effect Level (DNEL) - Workers No information available

Chemical name	Oral	Dermal	Inhalation
MINERAL OIL 8042-47-5	-	217.05 mg/kg bw/day [4] [6]	164.56 mg/m³ [4] [6]
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	-	0.97 mg/kg bw/day [4] [6]	2.73 mg/m³ [4] [6] 5.58 mg/m³ [5] [6]
GRAPHITE 7782-42-5	-	-	1.2 mg/m³ [4] [6] 1.2 mg/m³ [5] [6]
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT 64742-71-8	-	0.97 mg/kg bw/day [4] [6]	2.73 mg/m³ [4] [6] 5.58 mg/m³ [5] [6]

Derived No Effect Level (DNEL) - General Public No information available.

Chemical name	Oral	Dermal	Inhalation
MINERAL OIL 8042-47-5	25 mg/kg bw/day [4] [6]	-	34.78 mg/m³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	0.74 mg/kg bw/day [4] [6]	-	1.19 mg/m ³ [5] [6]
GRAPHITE 7782-42-5	813 mg/kg bw/day [4] [6]	-	0.3 mg/m ³ [5] [6]
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT 64742-71-8	0.74 mg/kg bw/day [4] [6]	-	1.19 mg/m ³ [5] [6]

Predicted No Effect Concentration (PNEC) No information available.

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	-	-	-	-	9.33 mg/kg food
ALUMINIUM POWDER 7429-90-5	-	-	20 mg/L	-	-
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT 64742-71-8	-	-	-	-	9.33 mg/kg food

Personal protective equipment

Eye/face protection	No special protective equipment required.
Skin and body protection	No special protective equipment required.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Thermal hazards	No information available.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Paste / Gel Liquid
Appearance	Silver
Color	Gray
Odor	Petroleum
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Flash point	> 95 °C	Tag Closed Cup
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	No information available
Kinematic viscosity	No Data Available	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available Negligible	None
Solubility(ies)	No Data Available	None known
Partition coefficient	No Data Available	None known
Vapor pressure	<5 mm Hg	
Relative density	1.41-1.51	
Bulk density	자료 없음	
Density	No data available	
Vapor density	>1	Air = 1
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

VOC content 0

9.2.1. Information with regard to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available < 1 Butyl acetate = 1

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization No information available.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous Decomposition Products None known based on information supplied.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	1,516.00 mg/kg
ATEmix (dermal)	5,155.60 mg/kg
ATEmix (inhalation-dust/mist)	2.0452 mg/l

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
MINERAL OIL	> 5000 mg/kg (Rat)	-	-
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
ALUMINIUM POWDER	-	-	> 0.888 mg/L (Rat) 4 h
GRAPHITE	-	-	> 2000 mg/m ³ (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Chemical name	European Union
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC	Carc. 1B
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT	Carc. 1B

Reproductive toxicity No information available.

Developmental Toxicity No information available.

Teratogenicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Neurological effects No information available.

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The environmental impact of this product has not been fully investigated.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
MINERAL OIL	-	LC50: >10000mg/L (96h, <i>Lepomis macrochirus</i>)	-	-
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC	-	LC50: >5000mg/L (96h, <i>Oncorhynchus mykiss</i>)	-	EC50: >1000mg/L (48h, <i>Daphnia magna</i>)
GRAPHITE	-	LC50: >100mg/L (96h, <i>Danio rerio</i>)	-	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

Chemical name	Partition coefficient
MINERAL OIL	6

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
MINERAL OIL	The substance is not PBT / vPvB
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC	The substance is not PBT / vPvB
ALUMINIUM POWDER	The substance is not PBT / vPvB
GRAPHITE	The substance is not PBT / vPvB
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

- 14.1 UN number or ID number Not regulated
- 14.2
- 14.3 Transport hazard class(es) Not regulated
- 14.4 Packing group Not regulated
- 14.5 Environmental hazard Not applicable
- 14.6 Special precautions for user

IMDG

- 14.1 UN number or ID number Not regulated
- 14.2 Proper shipping name Not regulated
- 14.3 Transport hazard class(es) Not regulated
- 14.4 Packing Group Not regulated
- 14.5 Environmental hazard Not applicable
- 14.6 Special precautions for user
- 14.7 Maritime transport in bulk according to IMO instruments

RID

- 14.1 UN/ID No Not regulated

14.2**14.3 Transport hazard class(es)** Not regulated**14.4 Packing Group** Not regulated**14.5 Environmental hazard** Not applicable**14.6 Special precautions for user****ADR****14.1 UN number or ID number** Not regulated**14.2****14.3 Transport hazard class(es)** Not regulated**14.4 Packing Group** Not regulated**14.5 Environmental hazard** Not applicable**14.6 Special precautions for user****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Chemical name	French RG number
MINERAL OIL - 8042-47-5	RG 36bis
ALUMINIUM POWDER - 7429-90-5	RG 32 RG 16,RG 16bis
GRAPHITE - 7782-42-5	RG 16 RG 25

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
DISTILLATES (PETROLEUM), HYDROTREATED	28.	-
HEAVY NAPHTHENIC - 64742-52-5	75.	-
ALUMINIUM POWDER - 7429-90-5	75.	-
PARAFFIN OILS (PETROLEUM), CATALYTIC	28.	-
DEWAXED LIGHT - 64742-71-8	75.	-

Persistent Organic Pollutants

Not applicable

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC - 64742-52-5	-	25000

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Chemical name	EU - Plant Protection Products (1107/2009/EC)
MINERAL OIL - 8042-47-5	Plant protection agent

International Inventories

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECI	Complies
PICCS	Complies
AICS	Complies
NZIoC	Complies

Legend:

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H319 - Causes serious eye irritation

H350 - May cause cancer

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AELG(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCILID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision Date

07-May-2024

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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End of Safety Data Sheet**EU SDS version information - EGHS**

UL release:
GHS Revision 7
2023 Q1

Full text of H-Statements referred to under section 3 H319 - Causes serious eye irritation H350 - May cause cancer H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects

Chemical name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC	Carc. 1B (H350) Note:L	
ALUMINIUM POWDER	Flam. Sol. 1 (H228) Water-react. 2 (H261)	
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT	Carc. 1B (H350)	

Chemical name	CAS No.	French RG number
MINERAL OIL	8042-47-5	RG 36bis
ALUMINIUM POWDER	7429-90-5	RG 32 RG 16, RG 16bis
GRAPHITE	7782-42-5	RG 16 RG 25

VOC content