



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and  
Regulation (EC) No. 1272/2008

Revision Date 20-Feb-2025

Version 2

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

### 1.1. Product identifier

**Product Code** 80208  
**Product Name** 767 ANTI-SEIZE LUBRICANT 1LB

### Other means of identification

**Unique Formula Identifier (UFI)** M5WH-T0N2-F000-6VNJ  
**Synonyms** 76767

Mixture. Contains ALUMINIUM POWDER ; 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

<b>Manufacturer</b>	<b>Only Representative (OR)</b>
ITW Permatex, Inc. 6875 Parkland Blvd. Solon, Ohio 44139 USA Telephone: 1-87-Permatex (866) 732-9502	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 EU Member States information as follows:

**24-hour emergency phone number - \$45 - (EC)1272/2008**

Europe	112
Austria	01 406 43 43
Belgium	070 245 245
Bulgaria	+359 2 9154 233
Croatia	+3851 2348 342
Cyprus	1401
Czech Republic	+420 224 919 293/ +420 224 915 402
Denmark	+ 45 8212 1212
Estonia	16662/ (+372) 7943 794
Finland	0800 147 111/ 09 471 977
France	+33 (0)1 45 42 59 59
Germany	+49 228 192 40
Greece	(003) 2107793777
Hungary	+36 80 201 199
Iceland	543 2222
Ireland	01 809 2166
Italy	0382-24444
Latvia	+371 67042473
Liechtenstein	01 406 43 43
Lithuania	+370 (85) 2362052
Luxembourg	(+352) 8002 5500
Malta	112
Netherlands	+31 (0)88 755 8000
Norway	22 59 13 00
Poland	112
Portugal	+351 800 250 250
Romania	+40213183606
Slovakia	+421 2 5477 4166
Slovenia	112
Spain	+34 91 562 04 20
Sweden	112
Switzerland	145
United Kingdom	111

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

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

### 2.2. Label elements

Contains ALUMINIUM POWDER ; PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT



Signal word

Danger

Hazard statements

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

**Precautionary Statements - EU (§28, 1272/2008)**

P201 - Obtain special instructions before use.  
P261 - Avoid breathing dust, fume, gas, mist, vapors and spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves, protective clothing, eye protection and face protection.  
P312 - Call a POISON CENTER or doctor if you feel unwell.  
P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

**Unknown acute toxicity**

79 % of the mixture consists of ingredient(s) of unknown acute toxicity.  
57.4 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.  
57.4 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.  
79 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).  
79 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).  
70 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Unknown aquatic toxicity**

Contains 59.59 % of components with unknown hazards to the aquatic environment.

**Additional information**

This product requires child resistant fastenings if supplied to the general public. This product requires tactile warnings if supplied to the general public.

**2.3. Other hazards****Other hazards**

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.

**PBT & vPvB**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors.

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
SILICA, MICA 12001-26-2	10-30%	No data available	-	No data available	-	-	-	-
ALUMINIUM POWDER 7429-90-5	5-10%	No data available	231-072-3 (013-002-00-1) (013-001-00-6)	Flam. Sol. 1 (H228) Water-react. 2 (H261)	-	-	-	T
GRAPHITE 7782-42-5	3-7%	No data available	231-955-3	No data available	-	-	-	-
PARAFFIN OILS (PETROLEUM), CATALYTIC	1-5%	No data available	265-176-5 (649-478-00-8)	Carc. 1B (H350)	-	-	-	L

DEWAXED LIGHT 64742-71-8								
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Note L - The harmonized 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.

Note T - This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.

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

#### **Acute Toxicity Estimate**

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

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
ALUMINIUM POWDER 7429-90-5	No data available	No data available	0.8889	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**

<b>General advice</b>	IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists. Use personal protective equipment as required. See section 8 for more information.

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

<b>Symptoms</b>	Coughing and/ or wheezing. Difficulty in breathing.
<b>Effects of Exposure</b>	May cause cancer.

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

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 CO2.  
**Large Fire** In case of fire, use water spray, foam, dry chemical, or CO2.

**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.

**Section 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation. Avoid breathing vapors or mists. Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**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.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling****Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product.

**General hygiene considerations**

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

**7.2. Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

**Storage class (TRGS 510)**

Storage class 6.1C.

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

Lubricant.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
SILICA, MICA 12001-26-2	-	TWA: 10 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	TWA: 3.0 mg/m <sup>3</sup> TWA: 6.0 mg/m <sup>3</sup>	TWA: 0.8 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>
ALUMINIUM POWDER 7429-90-5	-	TWA: 10 mg/m <sup>3</sup> STEL 20 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	TWA: 10.0 mg/m <sup>3</sup> TWA: 1.5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>
GRAPHITE 7782-42-5	-	TWA: 5 mg/m <sup>3</sup> STEL 10 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 5.0 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
SILICA, MICA 12001-26-2	-	TWA: 2.0 mg/m <sup>3</sup>	-	-	-
ALUMINIUM POWDER 7429-90-5	-	TWA: 10.0 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>	TWA: 1.5 mg/m <sup>3</sup>
GRAPHITE 7782-42-5	-	TWA: 2.0 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup> STEL: 5 mg/m <sup>3</sup> natural	TWA: 5 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
ALUMINIUM POWDER 7429-90-5	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 1.25 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup> Peak: 0.4 mg/m <sup>3</sup> Peak: 4 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>
GRAPHITE 7782-42-5	TWA: 2 mg/m <sup>3</sup>	TWA: 1.25 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 0.3 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> Peak: 2.4 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania

SILICA, MICA 12001-26-2	TWA: 3 mg/m <sup>3</sup> STEL: 9 mg/m <sup>3</sup>	-	TWA: 3 mg/m <sup>3</sup>	-	-
ALUMINIUM POWDER 7429-90-5	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	-	TWA: 1 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>
GRAPHITE 7782-42-5	TWA: 2 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup>	-	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
SILICA, MICA 12001-26-2	-	-	-	TWA: 6 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup>	-
ALUMINIUM POWDER 7429-90-5	-	-	-	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup> TWA: 1.2 mg/m <sup>3</sup>
GRAPHITE 7782-42-5	-	-	-	TWA: 5 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup> STEL: 8 mg/m <sup>3</sup>	TWA: 4.0 mg/m <sup>3</sup> TWA: 1.0 mg/m <sup>3</sup> TWA: 6 mg/m <sup>3</sup>
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
SILICA, MICA 12001-26-2	TWA: 3 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	Ceiling: 10 mg/m <sup>3</sup>	-	TWA: 3 mg/m <sup>3</sup>
ALUMINIUM POWDER 7429-90-5	TWA: 1 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup> TWA: 1.5 mg/m <sup>3</sup>	-	TWA: 1 mg/m <sup>3</sup>
GRAPHITE 7782-42-5	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> Ceiling: 10 mg/m <sup>3</sup>	-	TWA: 2 mg/m <sup>3</sup>
Chemical name	Sweden		Switzerland	United Kingdom	
SILICA, MICA 12001-26-2	-		TWA: 3 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 0.8 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 2.4 mg/m <sup>3</sup>	
ALUMINIUM POWDER 7429-90-5	NGV: 5 mg/m <sup>3</sup> NGV: 2 mg/m <sup>3</sup>		TWA: 3 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>	
GRAPHITE 7782-42-5	-		TWA: 3 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>	

**Biological occupational exposure limits**

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
ALUMINIUM POWDER 7429-90-5	-	60 µg/g Creatinine - urine (Aluminum) - after end of work day, at the end of a work week/end of the shift  (Note 1)	-	200 µg/L - urine (Aluminum) - at the end of the work 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	50 µg/g Creatinine - urine (Aluminum) - end of shift	-	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))	-	

**Note 1:** Details about BEL values can be found in Annex 2 of the Austrian Ordinance on Health Monitoring in the Workplace.

#### Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC [<3% DMSO] 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]

#### Notes

- [4] Systemic health effects.  
[5] Local health effects.  
[6] Long term.

#### Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC [<3% DMSO] 64742-52-5	0.74 mg/kg bw/day [4] [6]	-	1.19 mg/m³ [5] [6]



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

**Notes**

[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.

**Predicted No Effect Concentration (PNEC)**

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC [<3% DMSO] 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

**8.2. Exposure controls**

**Engineering controls** No information available.

**Personal protective equipment**

**Eye/face protection** Appropriate eye/face protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Thermal hazards** No information available.

**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

Property	Values	Remarks • Method
Melting point / freezing point	No data available	
Boiling point / boiling range	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability limit:	No data available	-
Lower flammability limit:	No data available	-
Flash point	> 95 °C	Tag Closed Cup
Autoignition temperature	No data available	
Decomposition temperature		
pH	No data available	
pH (as aqueous solution)	No data available	
Kinematic viscosity	No Data Available	
Dynamic viscosity	No data available	
Water solubility	No data available	
Solubility(ies)	No Data Available	
Partition coefficient	No Data Available	
Vapor pressure	<5 mm Hg	
Relative density	1.41-1.51	
Bulk density	No data available	
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
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9.2.1. Information with regard to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics

Evaporation rate	< 1 Butyl acetate = 1
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## Section 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	No information available.
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### 10.2. Chemical stability

Stability	Stable under normal conditions.
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### 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** Excessive heat.

**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**

**Inhalation** Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components).

**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** Coughing and/ or wheezing.

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

**Acute toxicity** Harmful by inhalation.

**Numerical measures of toxicity**

The following ATE values have been calculated for the mixture:

ATEmix (oral) 9,861.10 mg/kg

ATEmix (dermal) 9,861.10 mg/kg

ATEmix (inhalation-gas) 99,999.00 ppm

ATEmix (inhalation-vapor) 99,999.00 mg/l

ATEmix (inhalation-dust/mist) 2.96 mg/l

**Unknown acute toxicity**

57.4 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

57.4 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

79 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

79 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

70 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
ALUMINIUM POWDER	-	-	> 0.888 mg/L ( Rat ) 4 h

GRAPHITE	-	-	> 2000 mg/m <sup>3</sup> ( Rat ) 4 h
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**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

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

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**Developmental Toxicity** No information available.

**Teratogenicity** No information available.

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** Based on available data, the classification criteria are not met.

### 11.2.2. Other information

**Neurological effects** No information available.

**Other adverse effects** No information available.

## **Section 12: Ecological information**

### 12.1. Toxicity

**Ecotoxicity**

**Unknown aquatic toxicity** Contains 59.59 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
GRAPHITE	-	LC50: >100mg/L (96h, Danio rerio)	-	-

## **12.2. Persistence and degradability**

**Persistence and degradability** No information available.

## **12.3. Bioaccumulative potential**

**Bioaccumulation** No information available.

## **12.4. Mobility in soil**

**Mobility in soil** No information available.

## **12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** Based on available data, the classification criteria are not met.

Chemical name	PBT and vPvB assessment
ALUMINIUM POWDER	Not PBT/vPvB
GRAPHITE	Not PBT/vPvB
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT	Not PBT/vPvB

## **12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** Based on available data, the classification criteria are not met.

## **12.7. Other adverse effects**

**Other adverse effects** No information available.

**PMT or vPvM properties** Based on available data, the classification criteria are not met.

# **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 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

**IMDG**

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

**RID**

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

**ADR**

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

**ADN**

14.1 UN number or ID number	Not regulated
14.2 UN 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	
Special Provisions	None

## Section 15: Regulatory information

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

#### National regulations

##### France

##### Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
SILICA, MICA - 12001-26-2	RG 25
ALUMINIUM POWDER - 7429-90-5	RG 32 RG 16, RG 16bis
GRAPHITE - 7782-42-5	RG 16 RG 25

Germany

Water hazard class (WGK) strongly hazardous to water (WGK 3)

Switzerland

Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018 Not applicable

Storage of Hazardous Material SC 10/12

WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20 Not applicable

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 contains one or more substance(s) 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
ALUMINIUM POWDER - 7429-90-5	75	-
PARAFFIN OILS (PETROLEUM), CATALYTIC	28	-
DEWAXED LIGHT - 64742-71-8	75	-

**Persistent Organic Pollutants**

Not applicable

**Named dangerous substances per Seveso Directive (2012/18/EU)****Ozone-depleting substances (ODS) Regulation (EU) 2024/590**

Not applicable

International Inventories

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECI	Complies
PICCS	Complies
AICS	Complies
NZIoC	Complies
TCSI	Contact supplier for inventory compliance status

Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

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

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing Chemicals Inventory

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

TCSI - Taiwan Chemical Substance Inventory

## 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 any hazard and/or precautionary statements referred to under Sections 2-15

H228 - Flammable solid

H261 - In contact with water releases flammable gas

H350 - May cause cancer

#### Legend

SVHC: Substances of Very High Concern for Authorization:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances

vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

STOT: Specific Target Organ Toxicity

ATE: Acute Toxicity Estimate

LC50: 50% Lethal Concentration

LD50: 50% Lethal Dose

#### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

\*

Skin designation

+ Sensitizers

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
Chronic aquatic toxicity	Calculation method
Acute aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	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)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)



Environmental Protection Agency  
Acute Exposure Guideline Level(s) (AEGL(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 (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
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** 20-Feb-2025

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

**Disclaimer**

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**End of Safety Data Sheet**