



Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) as amended  
Material Name: Safety-Kleen Base Oil 70: Europe SDS ID: 820288\_EU

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

### 1.1 Product identifier

#### Material Name

Safety-Kleen Base Oil 70

#### Product Description

CAS #: 64742-55-8. EC #: 265-158-7.

#### Synonyms

Petroleum oil, lube oil, petroleum hydrocarbon, lubricant

#### Registration status

Registration # 01-2119487077-29-0045

UK REACH # UK-01-6871927170-9-XXXX

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

#### Identified uses

lubricating oils.

#### Uses advised against

Its use is to be by or under the supervision of a technically qualified person.

### 1.3 Details of the supplier of the safety data sheet

Safety-Kleen Systems, Inc.

42 Longwater Drive

Norwell, MA 02061-9149

Phone: 1-800-669-5740

Emergency Phone #: 1-800-468-1760

### 1.4 Emergency telephone number

1-800-468-1760

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Aspiration Hazard - Category 1

### 2.2 Label elements

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

#### Hazard symbols



#### Signal word

Danger

#### Hazard statements

H304 May be fatal if swallowed and enters airways.

#### Precautionary statements

#### Prevention

None needed according to classification criteria.

#### Response

None needed according to classification criteria.

**Storage**

None needed according to classification criteria.

**Disposal**

None needed according to classification criteria.

**2.3 Other hazards**

None known.

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

**3.1 SUBSTANCES**

CAS EC No Registration No UK REACH No	Component Name Synonyms	1272/2008 (CLP)	Percent
64742-55-8 265-158-7 01-2119487077-29-0045 UK-01-6871927170-9-XXXX	Distillates, petroleum, hydrotreated light paraffinic	Annex VI, Table 3: Carc. 1B - H350 Note(s): L Self-Classified: Asp. Tox. 1 - H304	100

Full text of H- and EUH-phrases: see section 16. Note: L applies. This product contains less than 3% DMSO as measured by IP 346 and is not classified as a carcinogen.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention, if needed.

**Skin**

IF ON SKIN: Wash with plenty of soap and water. Get medical attention, if needed.

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention, if needed.

**Ingestion**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

**4.2 Most Important Symptoms/Effects**

**Acute**

May be fatal if swallowed and enters airways.

**Delayed**

No information on significant adverse effects.

**4.3 Indication of Immediate Medical Attention and Special Treatment**

Treat symptomatically and supportively.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Carbon dioxide, regular foam, dry chemical, water spray, water fog, Water or foam may cause frothing.

**Unsuitable Extinguishing Media**

Do not use high-pressure water streams.

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

Negligible fire hazard. Avoid friction, static electricity and sparks.

### Combustion

Decomposition and combustion materials may be toxic. Burning may produce sulfur oxides, aldehydes, ketones, carbon monoxide and unidentified organic compounds.

### 5.3 Advice for firefighters

Eliminate all ignition sources if safe to do so. Move container from fire area if it can be done without risk. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Do not scatter spilled material with high-pressure water streams. Cool containers with water spray until well after the fire is out.

### Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

## SECTION 6: Accidental release measures

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

Wear personal protective clothing and equipment, see Section 8.

### 6.2 Environmental precautions

Prevent entry into waterways, sewers, basements, or confined areas. Avoid release to the environment.

### 6.3 Methods and Materials for Containment and Cleaning Up

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, spark proof tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal. There may be specific federal regulatory reporting requirements associated with spills, leaks, or releases of this product. Also see SECTION 15: REGULATORY INFORMATION.

### 6.4 Reference to other sections

Safe handling: see section 7. Personal protection equipment (PPE): see section 8. Disposal: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Keep away from heat, sparks and naked flames. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. This product has a low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating this product, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes Skin clothing shoes.

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

Store locked up.

Further information: Storage. Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

### Incompatible Materials

strong oxidizing materials

### 7.3 Specific end use(s)

Lubricating oils.

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

**8.1 Control parameters**

**Component Exposure Limits**

EU, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Netherlands, Portugal, Spain, Sweden and United Kingdom have not developed exposure limits for any of this product's components.

**Component Biological Exposure Limits**

None of this product's components are on the list.

**Derived No Effect Levels (DNELs)**

No DNELs available.

**Predicted No Effect Concentrations (PNECs)**

No PNECs available.

**8.2 Exposure Controls**

**Engineering controls**

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

**Eye/face protection**

Wear safety goggles (EN 166).

**Skin Protection**

Wear protective clothing to minimize skin contact (EN ISO 6529).

**Respiratory Protection**

Consult with a health and safety professional for specific respirators appropriate for your use. If airborne contaminant levels exceed recommended exposure limits, use CEN/EN Standard applicable respiratory protection appropriate for employee exposure levels.

**Glove Recommendations**

Wear appropriate chemical resistant gloves (EN 374).

**Environmental exposure controls**

Avoid release to the environment.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	Amber liquid	<b>Physical State</b>	Liquid
<b>Odor</b>	Petroleum	<b>Color</b>	Amber.
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	129.5 °C (265 °F Minimum )
<b>Boiling Point Range</b>	Not available	<b>Freezing point</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition Temperature</b>	Not available	<b>Flash Point</b>	180 °C (356 °F )
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	<0.1 mmHg @ 68°F °C (20 °C )
<b>Vapor Density (air=1)</b>	Not available	<b>Specific Gravity (water=1)</b>	0.87 (Approximate Water = 1 )
<b>Water Solubility</b>	(Insoluble )	<b>Partition coefficient: n-octanol/water</b>	Not available

<b>Viscosity</b>	Not available	<b>Kinematic viscosity</b>	<20.5 mm <sup>2</sup> /s 40 °C
<b>Solubility (Other)</b>	Not available	<b>Density</b>	7.3 lb/gal (US Approximate )
<b>Physical Form</b>	Liquid.	<b>Pour Point</b>	-3 °C (27 °F Maximum )
<b>Molecular Weight</b>	Not available		

#### 9.2 Other information

No additional information is available.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No reactivity hazard is expected.

#### 10.2 Chemical stability

Stable under normal temperatures and pressures.

#### 10.3 Possibility of hazardous reactions

Will not polymerize.

#### 10.4 Conditions to avoid

Avoid heat, flames, sparks and other sources of ignition

#### 10.5 Incompatible materials

Avoid oxidizing agents.

#### 10.6 Hazardous decomposition products

None under normal temperatures and pressures.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

**Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)**

Inhalation LC50 Rat 3900 mg/m<sup>3</sup> 4 h

##### Product Toxicity Data

##### Acute Toxicity Estimate

No data available.

##### Irritation/Corrosivity Data

May cause slight skin and respiratory irritation.

##### Respiratory Sensitization

No information available for the product.

##### Dermal Sensitization

No information available for the product.

##### Germ Cell Mutagenicity

No information available for the product.

##### Component Carcinogenicity

None of this product's components are listed by IARC or DFG.

##### Toxicity for reproduction

No information available for the product.

##### Specific Target Organ Toxicity - Single Exposure

No information on significant adverse effects.

##### Specific Target Organ Toxicity - Repeated Exposure

No information on significant adverse effects.

##### Aspiration hazard

May be fatal if swallowed and enters airways.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Component Analysis - Aquatic Toxicity**

<b>Distillates, petroleum, hydrotreated light paraffinic</b>	<b>64742-55-8</b>
Fish:	LC50 96 h Oncorhynchus mykiss >5000 mg/L
Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L IUCLID

**12.2 Persistence and degradability**

No information available for the product.

**12.3 Bioaccumulative potential**

No information available for the product.

**12.4 Mobility in soil**

No information available for the product.

**12.5 Results of PBT and vPvB assessment**

No components of this material are listed.

No information available for the product.

**12.6 Other adverse effects**

No additional information is available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Contact Safety-Kleen regarding proper recycling or disposal. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Waste codes/waste designations according to LoW. EWC-code: 13 02 08\*. Dispose in accordance with all applicable regulations. Release to the environment or sewage system is prohibited. Dispose of material in accordance with all local, regional, national and international regulations.

**SECTION 14: Transport information**

		ADR	RID	ICAO	IATA	ADN	IMDG
14.1	UN Number	--	--	--	--	--	--
14.2	UN Proper Shipping Name	--	--	--	--	--	--
14.3	Transport Hazard Class(es)	--	--	--	--	--	--
14.4	Packing Group	--	--	--	--	--	--
14.5	Environmental Hazards	--	--	--	--	--	--

14.6	Special Precautions For User	--	--	--	--	--	--
14.7	Transport in Bulk According to Annex II of MARPOL and the IBC Code	--	--	--	--	--	--
14.8	Further information	Not regulated as dangerous goods	Not regulated as dangerous goods	Not regulated as dangerous goods	Not regulated as a hazardous material.	Not regulated as dangerous goods	Not regulated as a hazardous material.

**International Bulk Chemical Code**

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**REACH Candidate List of Substances of Very High Concern (SVHC) for Authorization (Article 59(1)) - Reg. (EU) No. 1907/2006**

No components of this material are listed.

**EU - REACH (1907/2006) - Annex XVII Restrictions of Certain Dangerous Substances, Mixtures and Articles**  
**REACH List of Substances Subject to Restriction (Annex XVII) - Reg. (EU) No. 1907/2006**

This list includes substances subject to Restriction. Under REACH, these substances are subject to restrictions on manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

**Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)**

Use restricted. See item 28

**EU - Substances Depleting the Ozone layer (1005/2009)**

No components of this material are listed.

**EU - Persistent Organic Pollutants (850/2004)**

No components of this material are listed.

**EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to Export Ban**

No components of this material are listed.

**EU - Seveso III Directive (2012/18/EU) - Qualifying Quantities of Dangerous Substances**

No components of this material are listed.

**EU - Plant Protection Products (1107/2009/EC)**

No components of this material are listed.

**EU - Biocides (528/2012/EU)**

No components of this material are listed.

**EU - Water Framework Directive (2000/60/EC)**

No components of this material are listed.

**EU - Limitation of Emissions of Volatile Organic Compounds Due to the Use of Organic Solvents in Certain Activities and Installations (1999/13/EC)**

No components of this material are listed.

**EU - Detergent Regulation (648/2004/EC)**

No components of this material are listed.

**Germany Regulations**

**Germany Water Classification - Product**

hazard class 3 - severe hazard to waters

**Germany Water Classification - Component**

No components of this material are listed.

**Denmark Regulations**

No components of this material are listed.

**Component Analysis - Inventory**

**Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
No			No	Yes	Yes	No	Yes	Yes

**15.2 Chemical Safety Assessment**

No chemical safety assessment has been carried out for the substance/mixture.

**SECTION 16: Other information**

**16.1 Indication of changes**

New: March 21, 2017

**Revision date**

Updated: June 22, 2020; January 31, 2023 update to logo.

**16.2 Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; KR REACH CCA - Korea Registration and Evaluation of Chemical Substances Chemical Control Act; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; Ne-Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL - Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; PH - Philippines; RCRA - Resource

Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TH-TECI - Thailand - FDA Existing Chemicals Inventory (TECI); TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada)

**16.3 Key literature references and sources for data**

Available upon request.

**16.4 Methods Used for Classification of Mixture According to Regulation (EC) No 1272/2008**

Available upon request.

**16.5 Relevant H- and EUH-phrases (Number and full text) and Notes**

**H304** May be fatal if swallowed and enters airways

**H350** May cause cancer

**NOTE L:** The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO 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. This note applies only to certain complex oil-derived substances in Part 3.

**16.6 Training advice**

Read the Safety Data Sheet before handling product.

**16.7 Further Information**

**Disclaimer:**

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplied to the user.