



SAFETY DATA SHEET

According to the Hazard Communication Standard, 29 CFR 1910.1200

SDS # : 083071

KLEENMOLD 170

Date of the previous version: 2016-01-12

Revision Date: 2018-01-17

Version 3

1. IDENTIFICATION

Product identifier

Product name KLEENMOLD 170

Other means of identification

Product Code(s) 083071

Number 430
Substance/mixture Mixture***

Recommended use of the chemical and restrictions on use

Identified uses Lubricant. Industrial applications .***

Uses advised against Do not use for any purpose other than the one for which it is intended

Details of the supplier of the safety data sheet

Supplier Address TOTAL Specialties USA, Inc.
1201 Louisiana St. Suite 1800
Houston, TX 77002
Phone: 713-483-5000***

Contact Point Technical/ HSEQ

E-mail Address USRMLIN-info@total.com***

Emergency telephone number

Company Phone Number +1 (908) 862-9300***
Emergency telephone +1 866 928 0789 (24h/24, 7d/7)
+1 215 207 0061 (24h/24, 7d/7)***

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)***

Label elements

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)***

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Hazards not otherwise classified (HNOC)

Not applicable***

Other information**Physical-Chemical Properties**

Contaminated surfaces will be extremely slippery.***

Environmental properties

Should not be released into the environment.***

3. COMPOSITION/INFORMATION ON INGREDIENTS**Mixture*****

Chemical Name	CAS-No	Weight %
Distillates (petroleum), hydrotreated heavy naphthenic***	64742-52-5	50-65
Distillates (petroleum), hydrotreated light naphthenic***	64742-53-6	5-10
Sulfur***	7704-34-9	1-3

Additional information

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346***

* The exact percentage (concentration) of composition has been withheld as a trade secret***

4. FIRST AID MEASURES**First aid measures for different exposure routes****General advice**

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.***

Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.***

Skin contactRemove contaminated clothing and shoes. Wash skin with soap and water. Wash contaminated clothing before reuse.
High pressure jets may cause skin damage. Take victim immediately to hospital. Wash off with soap and water.*****Inhalation**

Move to fresh air. Inhalation of high concentrations of vapor or aerosols may cause irritation of the upper respiratory tract.***

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.***

Most important symptoms/effects, acute and delayed

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Skin contact	Not classified. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent.***
Eye contact	Not classified.
Inhalation	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.***
Ingestion	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.***
Symptoms	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.***

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

<u>Suitable Extinguishing Media</u>	Foam. Carbon dioxide (CO ₂). ABC powder.***
<u>Unsuitable Extinguishing Media</u>	Do not use a solid water stream as it may scatter and spread fire.***
<u>Special Hazard</u>	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration. Thermal decomposition can lead to release of irritating gases and vapors; Sulfur oxides.***
<u>Explosion Data</u>	
<u>Sensitivity to Mechanical Impact</u>	None.
<u>Sensitivity to Static Discharge</u>	None.
<u>Protective Equipment and Precautions for Firefighters</u>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-essential personnel.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

General Information	Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery.***
Other information	See Section 12 for additional information.
<u>Environmental precautions</u>	
General Information	Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Try to prevent the material from entering drains or water

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courses.***

Methods and material for containment and cleaning up

Methods for cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Powdered material may form explosive dust-air mixtures. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.***

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.***

Prevention of fire and explosion

Take precautionary measures against static discharges. Ground/bond containers, tanks and transfer/receiving equipment.***

Hygiene measures

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets. When using, do not eat, drink or smoke. Use personal protective equipment as required. Wash hands before breaks and at the end of workday. Wash hands with water as a precaution. Avoid breathing vapors, mist or gas. Avoid prolonged and repeated contact with the skin, especially with used or waste product.***

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep away from food, drink and animal feedingstuffs. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture. Keep in properly labeled containers.***

Materials to Avoid

Strong oxidizing agents.***

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits

Mineral oil mist:
USA: OSHA (PEL) TWA 5 mg/m³, NIOSH (REL) TWA 5 mg/m³, STEL 10 mg/m³, ACGIH (TLV) TWA 5 mg/m³ (highly refined)***

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Exposure controls

Engineering Measures Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

General Information If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

Eye/face protection If splashes are likely to occur, wear: Safety glasses with side-shields.

Skin and body protection Wear suitable protective clothing. Protective shoes or boots.

Hand Protection Hydrocarbon-proof gloves. Fluorinated rubber. Nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.***

Respiratory protection None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.***

Hygiene measures Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets. When using, do not eat, drink or smoke. Use personal protective equipment as required. Wash hands before breaks and at the end of workday. Wash hands with water as a precaution. Avoid breathing vapors, mist or gas. Avoid prolonged and repeated contact with the skin, especially with used or waste product.***

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Appearance	paste***
Color	black***
Physical State @20°C	Paste/Gel***
Odor	Petroleum distillates, Characteristic***
Odor Threshold	No information available***

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<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	***	Not applicable***	
Melting point/range ***	***	Not applicable***	
Boiling point/boiling range		No information available***	
Flash point ***	>=*** 160*** °C*** >=*** 320*** °F***	***	Cleveland Open Cup (COC) ASTM D 92*** Cleveland Open Cup (COC). ASTM D 92.***
Evaporation rate ***	< *** 1 (n-Butyl acetate=1)***	@ 25 °C***	***
Flammability Limits in Air		No information available	
upper ***	***	No information available***	***
Lower ***	***	No information available***	***
Vapor Pressure ***	< *** 0.15*** hPa***	@ 38 °C ***	***
Vapor density ***	> *** 8***	(Air = 1) ***	
Relative density ***	*** 0.96***	@ 25 °C ***	***
Density	0.96*** g/cm3***	@ 25 °C***	***
Water solubility		Insoluble***	
Solubility in other solvents ***		Soluble in many common organic solvents***	
logPow		No information available***	
Autoignition temperature		Not applicable***	
Decomposition temperature ***	***	No information available***	***
Viscosity, kinematic ***	***	Not applicable ***	***
Explosive properties	Not explosive***		
Oxidizing Properties	Not applicable***		
Possibility of hazardous reactions	See section 10***		
<u>Other information</u>			
Freezing Point ***		No information available	***
***	***		***
Note		• Please refer to Technical Data Sheet for further information***	

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	No information available.***
<u>Chemical stability</u>	Stable under recommended storage conditions.***
<u>Possibility of hazardous reactions</u>	Hazardous polymerization does not occur. None under normal processing.***
<u>Conditions to avoid</u>	Take precautionary measures against static discharges. Heat (temperatures above flash point), sparks, ignition points, flames, static electricity. Heat, flames and sparks. Strong oxidizing agents.***
<u>Incompatible materials</u>	Strong oxidizing agents.***

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Hazardous Decomposition Products Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. Sulfur oxides, Hydrogen sulphide.***

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principle Routes of Exposure Inhalation, Ingestion, Eye contact, Skin contact.

Symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.***

Skin contact Not classified. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent.***

Eye contact Not classified.

Inhalation Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.***

Ingestion Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.***

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

Acute toxicity - Product Information

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

Oral Not classified.***
ATEmix (oral) 16587*** mg/kg***

Dermal Not classified***
ATEmix (dermal) 12927*** mg/kg***

Inhalation Not classified*** mg/l***
ATEmix (inhalation-dust/mist) 19.6*** mg/l***
ATEmix (inhalation-vapor) 125.6*** mg/l***

Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates (petroleum), hydrotreated heavy naphthenic*** 64742-52-5	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	LC50 (4h) 5.53 mg/l (Rat - Aerosol - OECD 403)
Distillates (petroleum), hydrotreated light naphthenic*** 64742-53-6	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	

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Sulfur*** 7704-34-9	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5.43 mg/L (Rat) 4 h
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Sensitization

Not classified as a sensitizer.***

Carcinogenicity

This product is not classified carcinogenic.***

Chemical Name	ACGIH	IARC	NTP	OSHA
Distillates (petroleum), hydrotreated heavy naphthenic*** 64742-52-5	-	-		-

Mutagenicity

This product is not classified as mutagenic.***

Reproductive toxicity

This product does not present any known or suspected reproductive hazards.***

Other adverse effects

Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).***

Aspiration hazard

Not classified.***

12. ECOLOGICAL INFORMATION**Ecotoxicity****Acute aquatic toxicity - Product Information**

No experimental data available

Acute aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms
Distillates (petroleum), hydrotreated heavy naphthenic*** 64742-52-5		LC50 (96h) > 100 mg/l (Pimephales promelas - static - OECD 203)	EL50 (48h) > 10000 mg/l (Daphnia magna - static - OECD 202)	
Distillates (petroleum), hydrotreated light naphthenic*** 64742-53-6		LC50 (96h) > 5000 mg/L Oncorhynchus mykiss ()	EC50 (48h) > 1000 mg/L Daphnia magna	
Sulfur*** 7704-34-9		-		

Chronic aquatic toxicity - Product Information

No experimental data available

Chronic aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Distillates (petroleum), hydrotreated heavy naphthenic***		NOEL (21d) 10 mg/l (Daphnia magna - semi static - OECD 211)		

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64742-52-5			
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Effects on terrestrial organisms No information available.***

Persistence and degradability

General Information No information available.

Bioaccumulative potential

Product Information No information available.***

logPow No information available***

Component Information No information available.***

Mobility

Soil Given its physical and chemical characteristics, the product has no soil mobility.***
Air Loss by evaporation is limited***
Water The product is insoluble and floats on water***

Other adverse effects

General Information No information available***

13. DISPOSAL CONSIDERATIONS**Waste treatment**

Waste Disposal Methods Dispose of in accordance with local regulations.***

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.***

California Hazardous Waste Codes 221***

This product contains one or more substances that are listed with the State of California as a hazardous waste.***

14. TRANSPORT INFORMATION

DOT Not regulated

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<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO/IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>ADR/RID</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION**International Inventories**

All the substances contained in this product are listed or exempted from listing in the following inventories:
 U.S.A. (TSCA)
 Canada (DSL/NDSL)
 Australia (AICS)
 Korea (KECL)
 China (IECSC)
 New Zealand (NZIoC)
 Philippines (PICCS)
 Taiwan (TCSI)***

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive

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Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois
Distillates (petroleum), hydrotreated light naphthenic*** 64742-53-6	X***			
Sulfur*** 7704-34-9	X***	X***	X***	
Graphite 7782-42-5	X***	X***	X***	

16. OTHER INFORMATION

NFPA	Health Hazard 1***	Flammability 1***	Instability 0	Special hazards -
HMIS	Health Hazard 1***	Flammability 1***	Physical Hazard 0	Personal protection X

NFPA (National Fire Protection Association)

HMIS (Hazardous Material Information System)

Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard

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Revision Note (M)SDS sections updated 15***

Abbreviations, acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

bw = body weight

bw/day = body weight/day

EC x = Effect Concentration associated with x% response

GLP = Good Laboratory Practice

IARC = International Agency for Research of Cancer

LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals

LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals

LL = Lethal Loading

NIOSH = National Institute of Occupational Safety and Health

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

NOEL = No Observed Effect Level

OECD = Organization for Economic Co-operation and Development

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OSHA = Occupational Safety and Health Administration

UVCB = Substance of unknown or Variable composition, Complex reaction products or Biological material

Legend

Section 8

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH - National Institute for Occupational Safety and Health

TLV - Threshold Limit Values

PEL - Permissible Exposure Limits

IDHL - Immediately Dangerous to Life or Health concentrations

TWA - Time Weight Average

STEL - Short Term Exposure Limits

S* - Skin notation

TSCA - Toxic Substance Control Act

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

End of the Safety Data Sheet

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