



SAFETY DATA SHEET

According to the Hazard Communication Standard, 29 CFR 1910.1200

SDS # : 083864

KLEENMOLD BASE 300

Date of the previous version: 2018-03-29

Revision Date: 2018-11-02

Version 2

1. IDENTIFICATION

Product identifier

Product name KLEENMOLD BASE 300

Other means of identification

Product Code(s) 083864

Number DDM
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 ProductSafety@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

Skin corrosion/irritation - **Category 2*****
Skin sensitization - **Category 1*****

Label elements

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**WARNING*****

Causes skin irritation
May cause an allergic skin reaction***

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace***

Precautionary Statements - Response

Specific treatment (see supplemental first aid instruction on this label)***

Skin

IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention***

Precautionary Statements - Disposal

Dispose of contents/ container to an approved waste disposal plant***

Hazards not otherwise classified (HNOC)

None known

Other information

Physical-Chemical Properties Contaminated surfaces will be extremely slippery.***

Environmental properties

Should not be released into the environment. The product may form an oil film on the water surface that may stop the oxygen exchange.***

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

Chemical Name	CAS-No	Weight %
EPOXY PHENOL NOVOLAC RESIN***	28064-14-4	80-90

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

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4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice	Show this material safety data sheet to the doctor in attendance. Immediate medical attention is not required. IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.***
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.***
Skin contact	Wash off immediately with soap and plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If symptoms persist, call a physician.***
Inhalation	Move to fresh air. If symptoms persist, call a physician. Inhalation of high concentrations of vapor or aerosols may cause irritation of the upper respiratory tract.***
Ingestion	Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.***
Protection of First-aiders	Use personal protective equipment.***

Most important symptoms/effects, acute and delayed

Skin contact	May cause an allergic skin reaction. May cause skin irritation and/or dermatitis.
Eye contact	Not classified based on available data.***
Inhalation	Not classified based on available data. Inhalation of vapors in high concentration may cause irritation of respiratory system.***
Ingestion	Not classified based on available data. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.***
Symptoms	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Redness. Itching. Burning.

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

Notes to physician	Treat symptomatically. May cause sensitization of susceptible persons.***
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5. FIRE-FIGHTING MEASURES

<u>Suitable Extinguishing Media</u>	Dry chemical, CO ₂ or water spray. Foam. ABC powder. Carbon dioxide (CO ₂).***
<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.***

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Hazardous Combustion Products Phenols.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters 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 Use personal protective equipment. Avoid contact with the skin and the eyes. Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery.***

Other information See Section 12 for additional information.

Environmental precautions

General Information Prevent entry into waterways, sewers, basements or confined areas. 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 courses. See Section 12 for additional Ecological Information.***

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 Wear personal protective equipment. Ensure adequate ventilation. 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.***

Hygiene measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. 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. Do not wash off with: Fuel. Solvent. Abrasive. Avoid extended and repeated contact with the skin as this may cause skin conditions, which may also be aggravated by minor injuries or by contact with soiled clothing. Avoid prolonged and repeated contact with the skin, especially with used or waste product. Do not dry hands with rags that have been

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contaminated with product. Do not put product contaminated rags into workwear pockets.***

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep out of reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feedingstuffs. Keep in a bunded area. 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

Keep away from oxidizing agents, strongly acid or alkaline materials and amines. Strong oxidizing agents.***

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits

Contains no substances with occupational exposure limit values***

Exposure controls

Engineering Measures

Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.***

Individual protection measures, such as personal protective equipment

General Information

Protective engineering solutions should be implemented and in use before personal protective equipment is considered.***

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

Protective gloves. 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

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.

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When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. 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. Do not wash off with: Fuel. Solvent. Abrasive. Avoid extended and repeated contact with the skin as this may cause skin conditions, which may also be aggravated by minor injuries or by contact with soiled clothing. Avoid prolonged and repeated contact with the skin, especially with used or waste product. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.***

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Appearance				paste
Color				black
Physical State @20°C				Solid/liquid mix
Odor				Characteristic
Odor Threshold				No information available
<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>	
pH		No information available		
Melting point/range		No information available		
Boiling point/boiling range	> 200 °C > 392 °F			
Flash point	> 200 °C > 392 °F			Closed cup Closed cup.
Evaporation rate		No information available		
Flammability Limits in Air		No information available		
upper	-	No information available		
Lower	-	No information available		
Vapor Pressure	< 2 hPa	@ 20 °C		
Vapor density	> 1	(Air = 1)		
Relative density	1.22	@ 25 °C		
Density	1.22 g/cm3	@ 25 °C		
Water solubility		Insoluble		
Solubility in other solvents		Soluble in many common organic solvents		
logPow		No information available		
Autoignition temperature		No information available		
Decomposition temperature		No information available		
Viscosity, kinematic		Not applicable		
Explosive properties	Not explosive			
Oxidizing Properties	This product is not considered oxidising based on chemical structure considerations			
Possibility of hazardous reactions	See section 10			
<u>Other information</u>				

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Freezing Point No information available

Note • Please refer to Technical Data Sheet for further information

10. STABILITY AND REACTIVITY

Reactivity No information available.

Chemical stability Stable under recommended storage conditions.***

Possibility of hazardous reactions Hazardous polymerization may occur. None under normal processing.***

Conditions to avoid Heat (temperatures above flash point), sparks, ignition points, flames, static electricity. Take precautionary measures against static discharges.***

Incompatible materials Keep away from oxidizing agents, strongly acid or alkaline materials and amines. Strong oxidizing agents.***

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

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. Redness. Itching. Burning.

Skin contact May cause an allergic skin reaction. May cause skin irritation and/or dermatitis.

Eye contact Not classified based on available data.***

Inhalation Not classified based on available data. Inhalation of vapors in high concentration may cause irritation of respiratory system.***

Ingestion Not classified based on available data. 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 based on available data***

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Dermal Not classified based on available data***

Inhalation Not classified based on available data***

Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
EPOXY PHENOL NOVOLAC RESIN*** 28064-14-4	LD50 > 2000 mg/kg (Rat)	LD50 > 2000 mg/kg (Rabbit)	

Skin corrosion/irritation Irritating to skin.***
Serious eye damage/eye irritation Not classified based on available data.***
Sensitization May cause an allergic skin reaction.***
Carcinogenicity This product is not classified carcinogenic.

Mutagenicity This product is not classified as mutagenic.
Germ Cell Mutagenicity Not classified based on available data.***
Reproductive toxicity This product does not present any known or suspected reproductive hazards.
Target Organ Effects (STOT) None known.***
STOT - single exposure Not classified based on available data.***
STOT - repeated exposure Not classified based on available data.***
Other adverse effects Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).***
Aspiration hazard Not classified based on available data.***

12. ECOLOGICAL INFORMATION**Ecotoxicity** Toxic to aquatic life with long lasting effects*****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
EPOXY PHENOL NOVOLAC RESIN*** 28064-14-4		LC50(96h) > 1-10 mg/l (similar materials)		

Chronic aquatic toxicity - Product Information

No experimental data available

Chronic aquatic toxicity - Component Information

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No information available

Effects on terrestrial organisms No experimental data 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

General Information The product is insoluble and floats on water.

Soil No information available

Other adverse effects

General Information No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods Dispose of in accordance with local regulations. Should not be released into the environment.***

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of in accordance with local regulations.

California Hazardous Waste Codes 221***

14. TRANSPORT INFORMATION

DOT Not regulated***

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ICAO/IATA

UN/ID No	UN3077
Proper shipping name	Environmentally hazardous substance, solid, n.o.s.
Hazard class	9
Packing Group	III
ERG Code	9L
Special Provisions	A97, A158
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (EPOXY PHENOL NOVOLAC RESIN), 9, III
Excepted Quantity	E1
Limited quantity	30 kg G

IMDG/IMO

UN/ID No	UN3077
Proper shipping name	Environmentally hazardous substance, solid, n.o.s.
Hazard class	9
Packing Group	III
EmS No.	F-A, S-F
Special Provisions	274, 335
Marine pollutant	Yes
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (EPOXY PHENOL NOVOLAC RESIN), 9, III
Excepted Quantity	E1
Limited quantity	5 L

ADR/RID

UN/ID No	UN3077
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Hazard class	9
Packing Group	III
Classification Code	M6
Tunnel Restriction Code	(E)
Special Provisions	274, 335, 601
Description	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (EPOXY PHENOL NOVOLAC RESIN), 9, III, (E)
Limited quantity	5 L
Environmental hazard	Yes***

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)
Japan (ENCS)

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

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

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SARA 311/312 Hazard Categories

Acute Health Hazard	Yes***
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 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
Graphite 7782-42-5	X	X	X	

16. OTHER INFORMATION

NFPA	Health Hazard 2***	Flammability 1***	Instability 0	Special hazards -
HMIS	Health Hazard 2***	Flammability 1***	Physical Hazard 0	Personal protection X

NFPA (National Fire Protection Association)
HMIS (Hazardous Material Information System)

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

Revision Date: 2018-11-02
Revision Note *** Indicates updated section***

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

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

IDLH - 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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