

Material Safety Data Sheet: LOK-CEASE 20/20 BRUSH TOP

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name LOK-CEASE 20/20 BRUSH TOP
Recommended Use Lubricant
Information on Manufacturer
 CERTIFIED LABS, DIV. OF NCH CORP.
 BOX 152170
 IRVING, TEXAS 75015

Product Code 5913
Chemical Nature Petroleum distillates mixture
Emergency Telephone Number
 CHEMTREC ® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

WARNING
 Causes eye irritation
 May cause skin irritation

Color White

Physical State Grease

Odor Oily

Potential Health Effects

Principle Route of Exposure

Eye contact, Skin contact.

Primary Routes of Entry

Inhalation

Acute Effects

Eyes

Causes eye irritation.

Skin

May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

Inhalation

May cause irritation of respiratory tract.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity

Liver and kidney injuries may occur. Contains a known or suspected carcinogen.

Target Organ Effects

Liver, Kidney, Respiratory system, Eyes, Skin, Central nervous system, Bone Marrow, Spleen.

Aggravated Medical Conditions

Respiratory disorders, Skin disorders, Neurological disorders, Liver disorders, Kidney disorders.

Potential Environmental Effects

See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Zinc oxide	1314-13-2
Calcium Carbonate	1317-65-3
Crystalline Silica (Quartz)	14808-60-7
White mineral oil, solvent refined	8042-47-5
Aluminum benzoate fatty acid complex	82980-54-9

The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

General Advice

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact

Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

Inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion

Do NOT induce vomiting. Drink 1 or 2 glasses of water. Get medical attention if symptoms occur.

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Not flammable

Method Not applicable

Autoignition Temperature No information available.

Flammability Limits in Air % No information available.

Upper No data available **Lower** No data available

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Alcohol-resistant foam.

Specific hazards arising from the chemical

Material can create slippery conditions.

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.

NFPA **Health** 1

Flammability 1

Instability 0

HMIS **Health** 1

Flammability 1

Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions

Do not flush into surface water or sanitary sewer system.

Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Pick up and transfer to properly labeled containers.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.			
Storage	Store in original container. Keep container tightly closed in a dry and well-ventilated place.			
Storage Temperature	Minimum	0°F/-18°C	Maximum	120°F/49°C
Storage Conditions	Indoor	X	Outdoor	
			Heated	Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Zinc oxide	10 mg/m ³ STEL (respirable fraction) : 2 mg/m ³ TWA (respirable fraction)	5 mg/m ³ TWA (fume); 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	500 mg/m ³ IDLH : 5 mg/m ³ TWA (dust and fume) : 15 mg/m ³ Ceiling (dust) 10 mg/m ³ STEL (fume)
Calcium Carbonate	No data available	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)
Crystalline Silica (Quartz)	0.025 mg/m ³ TWA (respirable fraction)	No data available	50 mg/m ³ IDLH (respirable dust) : 0.05 mg/m ³ TWA (respirable dust)
White mineral oil, solvent refined	5 mg/m ³	5 mg/m ³	IDLH 2500 mg/m ³ STEL 10 mg/m ³
Aluminum benzoate fatty acid complex	No data available	No data available	No data available

Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	For prolonged or repeated contact, use protective gloves
Respiratory Protection	In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Grease	Viscosity	Semi-Solid
Color	White	Odor	Oily
Appearance	Opaque	pH	Not applicable
Specific Gravity	0.98	Evaporation Rate	0 (Butyl acetate=1)
Percent Volatile (Volume)	0	VOC Content (%)	0
VOC Content (g/L)	0	Vapor Pressure	<0.01 mmHg @ 70 °F
Vapor Density	0 (Air = 1.0)	Solubility	Negligible
Boiling Point/Range	No data available		

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known
Incompatible Products	Strong oxidizing agents, Strong acids.
Hazardous Decomposition Products	Carbon oxides, Zinc oxide fumes, Fumes of aluminum.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information	No information available.
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Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Zinc oxide	5000 mg/kg (Rat)	no data available	no data available	no data available	no data available
Calcium Carbonate	no data available	no data available	no data available	no data available	no data available
Crystalline Silica (Quartz)	500 mg/kg (Rat)	no data available	no data available	no data available	no data available
White mineral oil, solvent refined	5000 mg/kg (Rat)	no data available	no data available	no data available	no data available
Aluminum benzoate fatty acid complex	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Zinc oxide	no data available	no data available	no data available	no data available	respiratory system, CNS
Calcium Carbonate	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Crystalline Silica (Quartz)	no data available	no data available	no data available	no data available	eyes, respiratory system, liver, kidneys, spleen, bone marrow (in animals: lung cancer)
White mineral oil, solvent refined	no data available	no data available	no data available	no data available	respiratory system
Aluminum benzoate fatty acid complex	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

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

Component	ACGIH	IARC	NTP	OSHA	Other
Zinc oxide	not applicable	not applicable	not applicable	not applicable	not applicable
Calcium Carbonate	not applicable	not applicable	not applicable	not applicable	not applicable
Crystalline Silica (Quartz)	A2	Group 1	Known	X	not applicable
White mineral oil, solvent refined	not applicable	not applicable	not applicable	not applicable	not applicable
Aluminum benzoate fatty acid complex	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION**Product Information**

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Zinc oxide	no data available	no data available	no data available	no data available	N/A
Calcium Carbonate	no data available	no data available	no data available	no data available	N/A
Crystalline Silica (Quartz)	no data available	no data available	no data available	no data available	N/A
White mineral oil, solvent refined	no data available	LC50> 10000 mg/L Lepomis macrochirus 96 h	no data available	no data available	>6
Aluminum benzoate fatty acid complex	no data available	no data available	no data available	no data available	N/A

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS**Product Disposal**

Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. REGULATORY INFORMATION**Inventories**

TSCA	Complies
DSL	Complies

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 40n of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Zinc oxide	1314-13-2	7-13	1.0

SARA 311/312 Hazardous Categorization

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

Component	Hazardous Substances RQs	CERCLA EHS RQs
Zinc oxide	Not applicable	Not applicable
Calcium Carbonate	Not applicable	Not applicable
Crystalline Silica (Quartz)	Not applicable	Not applicable
White mineral oil, solvent refined	Not applicable	Not applicable
Aluminum benzoate fatty acid complex	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials, D2B Toxic materials.



16. OTHER INFORMATION

Prepared By Mike McDowell
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 Reason for Revision No information available.
 Glossary No information available.
 List of References. No information available.

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