

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** LOK-CEASE 20/20  
**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

<b>Color</b> White	<b>Physical State</b> Grease	<b>Odor</b> Oily
<b>Potential Health Effects</b>		
<b>Principle Route of Exposure</b>	Eye contact, Skin contact.	
<b>Primary Routes of Entry</b>	Inhalation	
<b>Acute Effects</b>		
<b>Eyes</b>	Causes eye irritation.	
<b>Skin</b>	May cause skin irritation. Repeated exposure may cause skin dryness or cracking.	
<b>Inhalation</b>	May cause irritation of respiratory tract.	
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.	
<b>Chronic Toxicity</b>	Liver and kidney injuries may occur, Contains a known or suspected carcinogen.	
<b>Target Organ Effects</b>	Liver, Kidney, Respiratory system, Eyes, Skin, Central nervous system, Bone Marrow, Spleen.	
<b>Aggravated Medical Conditions</b>	Respiratory disorders, Skin disorders, Neurological disorders, Liver disorders, Kidney disorders.	
<b>Potential Environmental Effects</b>	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

<b>General Advice</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
<b>Skin Contact</b>	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.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Do NOT induce vomiting. Drink 1 or 2 glasses of water. Get medical attention if symptoms occur.
<b>Notes to Physician</b>	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	Not flammable	<b>Method</b>	Not applicable
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %</b>	No information available.	<b>Upper</b>	No data available
		<b>Lower</b>	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.

<b>NFPA</b>	<b>Health</b> 1	<b>Flammability</b> 1	<b>Instability</b> 0
<b>HMS</b>	<b>Health</b> 1	<b>Flammability</b> 1	<b>Instability</b> 0

6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	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).
<b>Methods for Cleaning Up</b>	Pick up and transfer to properly labeled containers.
<b>Neutralizing Agent</b>	Not applicable.

7. HANDLING AND STORAGE

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Exposure Guidelines

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

## 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	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

#### 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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