

# Safety Data Sheet: LOK-CEASE BRUSH TOP SAMPLE, NAC MM

Supersedes Date 10/18/2010

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** LOK-CEASE BRUSH TOP SAMPLE, NAC MM  
**Recommended use** Lubricant  
**Information on Manufacturer**  
MANTEK, DIVISION OF NCH CORP.  
BOX 152170  
IRVING, TEXAS 75015

**Product Code** 5912  
**Chemical nature** mixture  
**Emergency Telephone Number**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Gray

**Physical State** Grease

**Odor** Oily

### GHS

#### Classification

##### Physical Hazards

None

##### Health Hazard

Serious Eye Damage/Eye Irritation

Carcinogenicity

Category 2B

Category 1A

##### Other hazards

None

### Labeling

#### Signal Word

DANGER



#### Hazard Statements

H320 - Causes eye irritation

H350 - May cause cancer

#### Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P280 - Wear protective gloves, protective clothing and eye protection.

P202 - Do not handle until all safety precautions have been read and understood

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists, get medical attention.

P501 - Dispose of contents and container in accordance with applicable regulations.

6 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
White mineral oil, solvent refined	8042-47-5	40-70
Calcium carbonate	1317-65-3	10-30
Zinc oxide	1314-13-2	7-13
Oxoaluminum Benzoate/Stearate	151911-66-9	5-10
Crystalline Silica (Quartz)	14808-60-7	0.1-1

## 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

Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

### Inhalation

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

### Ingestion

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

### Notes to physician

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	455 °F / 235 °C	<b>Method</b>	Open cup
<b>Flammability Limits in Air %</b>	No information available.	<b>Upper</b>	No data available
		<b>Lower</b>	No data available
<b>Suitable Extinguishing Media</b>			
Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
<b>Specific hazards arising from the chemical</b>			
Material can create slippery conditions.			
<b>Protective Equipment and Precautions for Firefighters</b>			
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 2</b>	<b>Flammability 1</b>	<b>Instability 0</b>
<b>HMIS</b>	<b>Health 2</b>	<b>Flammability 1</b>	<b>Instability 0</b>

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. 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 containers tightly closed in a dry, cool and well-ventilated place.			
<b>Storage Temperature</b>	<b>Minimum</b>	0 °F / -18 °C	<b>Maximum</b>	150 °F / 66 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	X
			<b>Heated</b>	X
			<b>Refrigerated</b>	X

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
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>
Calcium carbonate	No data available	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Zinc oxide	TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 15 mg/m <sup>3</sup>	IDLH: 500 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup> STEL 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Oxaluminum Benzoate/Stearate	No data available	No data available	No data available
Crystalline Silica (Quartz)	: 0.025 mg/m <sup>3</sup> TWA (respirable fraction)	No data available	IDLH: 50 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>

<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin Protection</b>	For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.
<b>Respiratory Protection</b>	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
<b>General Hygiene Considerations</b>	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

<b>Physical State</b>	Grease	<b>Viscosity</b>	Semi-Solid
<b>Color</b>	Gray	<b>Odor</b>	Oily
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Opaque

<b>pH</b>	Not applicable	<b>Specific Gravity</b>	0.98
<b>Evaporation Rate</b>	0 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	0
<b>VOC Content (%)</b>	0	<b>VOC Content (g/L)</b>	0
<b>Vapor Pressure</b>	<0.01 mmHg @ 70°F	<b>Vapor Density</b>	0 (Air = 1.0)
<b>Solubility</b>	Negligible	<b>n-Octanol/Water Partition</b>	No data available
<b>Melting Point/Range</b>	No data available	<b>Decomposition Temperature</b>	No data available
<b>Boiling Point/Range</b>	No data available	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	455 °F / 235 °C	<b>Method</b>	Open cup
<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

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Heat, flames, and sparks
<b>Incompatible Products</b>	Strong oxidizing agents, Strong acids.
<b>Hazardous Decomposition Products</b>	Carbon oxides, Zinc oxide fumes, Fumes of aluminum.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

### Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

<b>Oral LD50</b>	No information available
<b>Dermal LD50</b>	No information available
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	No information available
<b>Vapor</b>	No information available

<b>Principle Route of Exposure</b>	Eye contact, Skin contact.
<b>Primary Routes of Entry</b>	Inhalation

### Acute Effects

<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.

### Chronic Toxicity

<b>Target Organ Effects</b>	Liver and kidney injuries may occur. Contains a known or suspected carcinogen.
<b>Aggravated Medical Conditions</b>	Kidney, Respiratory system, Eyes, Skin, Central nervous system. Respiratory disorders, Skin disorders, Neurological disorders, Kidney disorders, Central nervous system.

### Component Information

#### Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
White mineral oil, solvent refined	> 5000 mg/kg ( Rat )	no data available	no data available	no data available	no data available
Calcium carbonate	= 6450 mg/kg ( Rat )	no data available	no data available	no data available	no data available
Zinc oxide	> 5000 mg/kg ( Rat )	no data available	no data available	no data available	no data available
Oxoaluminum Benzoate/Stearate	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

#### Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
White mineral oil, solvent refined	no data available	no data available	no data available	no data available	respiratory system
Calcium carbonate	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Zinc oxide	no data available	no data available	no data available	no data available	respiratory system, CNS
Oxoaluminum Benzoate/Stearate	no data available	no data available	no data available	no data available	no data available
Crystalline Silica (Quartz)	no data available	no data available	no data available	no data available	eyes, respiratory system (in animals: lung cancer), kidneys

#### Carcinogenicity

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

Component	ACGIH	IARC	NTP	OSHA	Other
White mineral oil, solvent refined	not applicable	not applicable	not applicable	not applicable	not applicable

Calcium carbonate	not applicable	not applicable	not applicable	not applicable	not applicable
Zinc oxide	not applicable	not applicable	not applicable	not applicable	not applicable
Oxoaluminum Benzoate/Stearate	not applicable	not applicable	not applicable	not applicable	not applicable
Crystalline Silica (Quartz)	A2	Group 1	Known	X	not applicable

## 12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
White mineral oil, solvent refined	no data available	LC50 > 10000 mg/L Lepomis macrochirus 96 h	no data available	no data available	>6
Calcium carbonate	no data available	no data available	no data available	no data available	N/A
Zinc oxide	no data available	no data available	no data available	no data available	N/A
Oxoaluminum Benzoate/Stearate	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

**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 40 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
White mineral oil, solvent refined	Not applicable	Not applicable
Calcium carbonate	Not applicable	Not applicable
Zinc oxide	Not applicable	Not applicable
Oxoaluminum Benzoate/Stearate	Not applicable	Not applicable
Crystalline Silica (Quartz)	Not applicable	Not applicable

**16. OTHER INFORMATION**

<b>Prepared By</b>	Adrienne McKee
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<b>List of References.</b>	No information available.

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