

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** ELITE (35#)  
**Recommended Use** Lubricant  
**Information on Manufacturer**  
MANTEK, DIVISION OF NCH CORP.  
BOX 152170  
IRVING, TEXAS 75015

**Product Code** 299J  
**Chemical Nature** Mixture  
**Emergency Telephone Number**  
CHEMTREC ® 800-424-9300

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
CAUTION  
May cause skin irritation  
May cause eye irritation

**Color** Black  
**Potential Health Effects**  
**Principle Route of Exposure**  
**Primary Routes of Entry**  
**Acute Effects**  
    **Eyes**  
    **Skin**  
    **Inhalation**  
    **Ingestion**  
**Chronic Effects**  
**Target Organ Effects**  
**Aggravated Medical Conditions**  
**Potential Environmental Effects**

**Physical State** Grease

**Odor** Oily

Eye contact, Skin contact.  
None known.

May cause eye irritation.  
May cause skin irritation.  
Not a respiratory irritant.  
Not applicable.

No information available  
No information available  
Skin disorders.

See Section 12 for additional Ecological information

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Tricalcium phosphate	1306-06-5
Molybdenum disulfide	1317-33-5
Calcium Carbonate	1317-65-3
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5
Styrene-Ethylene/Propylene Block Copolymer	68648-89-5
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

**Eye Contact** If symptoms persist, call a physician. Rinse thoroughly with plenty of water, also under the eyelids.  
**Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Call a physician if irritation develops or persists.  
**Inhalation** Move to fresh air. If symptoms persist, call a physician.  
**Ingestion** Rinse mouth. Drink 1 or 2 glasses of water. Do not induce vomiting. If symptoms persist, call a physician.  
**Notes to Physician** Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

**Flash Point** 450°F / 232°C  
**Method** open cup  
**Autoignition Temperature** No information available  
**Flammability Limits in Air** No information available  
**Suitable Extinguishing Media**  
Water spray. Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.  
**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	Avoid contact with the skin and the eyes.
Environmental Precautions	Prevent further leakage or spillage if safe to do so
Methods for Containment	No information available
Methods for Cleaning Up	Pick up and transfer to properly labelled containers.

## 7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place
Storage Temperature	Minimum 10°F / -12°C
Storage Conditions	Indoor X Outdoor X Heated Refrigerated

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Tricalcium phosphate	No data available	no data available	no data available
Molybdenum disulfide	TWA: 0.5 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	IDLH: 1000 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>
Petroleum distillates, hydrotreated heavy naphthenic	No data available	no data available	no data available
Styrene-Ethylene/Propylene Block Copolymer	No data available	no data available	no data available
Aluminum benzoate fatty acid complex	No data available	no data available	no data available

Engineering Measures	Ensure adequate ventilation, especially in confined areas
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## Personal Protective Equipment

Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	Long sleeved clothing
Respiratory Protection	No special protective equipment required
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice . Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Grease	Viscosity	Semi-Solid
Color	Black	Odor	Oily
Appearance	Opaque	pH	Not applicable
Specific Gravity	No information available 0.93	Bulk Density	No data available
Evaporation Rate	No information available	Percent Volatile (Volume)	0
VOC Content (%)	0	Vapor Pressure	<0.01 mmHg @ 70 °F
Vapor Density	>5	Solubility	Insoluble
Boiling Point/Range	475°F / 246°C		

## 10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions. Hazardous polymerisation does not occur.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Products	Strong oxidizing agents. Acids.
Hazardous Decomposition Products	Carbon oxides. Oxides of phosphorus.
Possibility of Hazardous Reactions	Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

Product Information	No information available
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Component Information	No information available
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## Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Tricalcium phosphate	25350 mg/kg ( Rat )	no data available	no data available	no data available	no data available
Molybdenum disulfide	no data available	no data available	2820 mg/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available
Calcium Carbonate	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, hydrotreated heavy naphthenic	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	2.18 mg/L ( Rat ) 4 h	no data available	no data available
Styrene-Ethylene/Propylene Block Copolymer	no data available	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
Tricalcium phosphate	no data available	no data available	no data available	no data available	no data available
Molybdenum disulfide	no data available	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
Petroleum distillates, hydrotreated heavy naphthenic	no data available	no data available	no data available	no data available	no data available
Styrene-Ethylene/Propylene Block Copolymer	no data available	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
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**Carcinogenicity**

Component	ACGIH	IARC	NTP	OSHA	Other
Tricalcium phosphate	not applicable	not applicable	not applicable	not applicable	not applicable
Molybdenum disulfide	A3	not applicable	not applicable	not applicable	not applicable
Calcium Carbonate	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated heavy naphthenic	not applicable	Group 1	not applicable	X	not applicable
Styrene-Ethylene/Propylene Block Copolymer	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 No information available

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Tricalcium phosphate	no data available	no data available	no data available	no data available	N/A
Molybdenum disulfide	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
Petroleum distillates, hydrotreated heavy naphthenic	no data available	LC50> 5000 mg/L Pimephales promelas 96 h	no data available	EC50 > 1000 mg/L 48 h	N/A
Styrene-Ethylene/Propylene Block Copolymer	no data available	no data available	no data available	no data available	N/A
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:

**SARA 311/312 Hazardous Categorization**

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

**CERCLA**

Component	Hazardous Substances RQs	CERCLA EHS RQs
Tricalcium phosphate	Not applicable	Not applicable
Molybdenum disulfide	Not applicable	Not applicable
Calcium Carbonate	Not applicable	Not applicable
Petroleum distillates, hydrotreated heavy naphthenic	Not applicable	Not applicable
Styrene-Ethylene/Propylene Block Copolymer	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**

D2B Toxic materials .

**16. OTHER INFORMATION**

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Prepared By	Dan Hollas
Supersedes Date	13-May-2005
Issuing Date	11-Mar-2008
Reason for Revision	No information available
Glossary	No information available
List of References	No information available

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