

Material Safety Data Sheet: ELITE (35#)

Issuing Date 11-Mar-2008

Supersedes Date 13-May-2005

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	Physical State Grease	Odor Oily
Potential Health Effects		
Principle Route of Exposure	Eye contact, Skin contact.	
Primary Routes of Entry	None known.	
Acute Effects		
Eyes	May cause eye irritation.	
Skin	May cause skin irritation.	
Inhalation	Not a respiratory irritant.	
Ingestion	Not applicable.	
Chronic Effects	No information available	
Target Organ Effects	No information available	
Aggravated Medical Conditions	Skin disorders.	
Potential Environmental Effects	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	64742-52-6
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 (CO2). 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 HMIS	Health Health	1 1	Flammability Flammability	1 1	Instability Instability	0 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	Maximum 150°F / 66°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 ³ TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 15 mg/m ³ TWA: 5 mg/m ³	IDLH: 1000 mg/m ³
Calcium Carbonate	No data available	TWA: 15 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³
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

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	Bulk Density	No data available
Evaporation Rate	0.93	Percent Volatile (Volume)	0
VOC Content (%)	No information available	Vapor Pressure	<0.01 mmHg @ 70 °F
Vapor Density	0	Solubility	Insoluble
Boiling Point/Range	>5 475°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
---------------------	--------------------------

Component Information

No information available

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 ³ (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

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Tricalcium phosphate	not applicable				
Molybdenum disulfide	A3	not applicable	not applicable	not applicable	not applicable
Calcium Carbonate	not applicable				
Petroleum distillates, hydrotreated heavy naphthenic	not applicable	Group 1	not applicable	X	not applicable
Styrene-Ethylene/Propylene Block Copolymer	not applicable				
Aluminum benzoate fatty acid complex	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

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 SARA 313.

Section 313 of Title III of the Superfund Amendments and Reauthorization Act and Title 40P of the Code of Federal Regulations

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

Prepared By Dan Hollas

Supercedes 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

MANTEK, DIVISION OF NCH CORP. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.