

Material Safety Data Sheet: ELITE

Supersedes Date 10/07/2010

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ELITE
Recommended use Lubricant
Information on Manufacturer
MANTEK, DIVISION OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 4098
Chemical nature Petroleum oil blend
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

Eye contact

Acute Effects

Eyes

May cause eye irritation.

Skin

May cause skin irritation.

Inhalation

Low hazard for usual industrial or commercial handling.

Ingestion

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

Chronic Toxicity

Prolonged skin contact may defat the skin and produce dermatitis. Kidney injury may occur.

Target Organ Effects

Respiratory system, Kidney, Eyes, Blood, Bone.

Aggravated Medical Conditions

Respiratory disorders, Skin disorders, Kidney disorders, Blood disorders.

Potential Environmental Effects

See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS-No |
|---|------------|
| Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) | 64742-52-5 |
| Calcium carbonate | 1317-65-3 |
| Aluminum benzoate fatty acid complex | 82980-54-9 |
| Tricalcium phosphate | 1306-06-5 |
| Styrene-Ethylene/Propylene Block Copolymer | 68648-89-5 |
| Molybdenum disulfide | 1317-33-5 |

4. FIRST AID MEASURES

General Advice

Avoid contact with skin, eyes and clothing.

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 immediately 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

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

Flash Point 450 °F / 232 °C

Method Open cup

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. Foam. Carbon dioxide (CO₂). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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. 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 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 |
|---|---|--|--|
| Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) | TWA: 5 mg/m ³ ; STEL: 10 mg/m ³ | TWA: 5 mg/m ³ | IDLH: 2,500 mg/m ³ ; STEL 10 mg/m ³ ; TWA: 5 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 |
| Aluminum benzoate fatty acid complex | No data available | No data available | No data available |
| Tricalcium phosphate | No data available | No data available | No data available |
| Styrene-Ethylene/Propylene Block Copolymer | No data available | No data available | No data available |
| Molybdenum disulfide | TWA: 10 mg/m ³ TWA: 3 mg/m ³ | TWA: 15 mg/m ³ | IDLH: 5000 mg/m ³ |

| | |
|---------------------------------------|---|
| 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 inadequate ventilation wear respiratory protection. 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 | Black | Odor | Oily |
| Appearance | Opaque | pH | Not applicable |
| Specific Gravity | 0.93 | Evaporation Rate | 0 (BuAc = 1) |
| Percent Volatile (Volume) | 0 | VOC Content (%) | 0 |
| VOC Content (g/L) | 0 | Vapor Pressure | <0.01 mmHg @ 70°F |
| Vapor Density | 11.3 (Air = 1.0) | Solubility | Negligible |
| Boiling Point/Range | 475 °F / 246 °C | | |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Chemical Stability | Stable. Hazardous polymerization does not occur. |
| Conditions to Avoid | Extremes of temperature and direct sunlight, Keep away from open flames, hot surfaces, and sources of ignition. |
| Incompatible Products | Strong oxidizing agents, Acids. |
| Hazardous Decomposition Products | Carbon oxides, Sulfur oxides, Oxides of phosphorus. |
| 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 |
|---|-----------------------|-------------------------|--------------------------------------|-------------------|-------------------|
| Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) | > 5000 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | > 5 mg/L (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 |
| Aluminum benzoate fatty acid complex | no data available | no data available | no data available | no data available | no data available |
| Tricalcium phosphate | > 25350 mg/kg (Rat) | 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 |
| Molybdenum disulfide | no data available | no data available | > 2820 mg/m ³ (Rat) 4 h | no data available | no data available |

Chronic Toxicity

| Component | Mutagenicity | Sensitization | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|---|-------------------|-------------------|------------------------|-----------------------|---|
| Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) | 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 |
| Aluminum benzoate fatty acid complex | no data available | no data available | no data available | no data available | no data available |
| Tricalcium phosphate | 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 |
| Molybdenum disulfide | no data available | no data available | no data available | no data available | respiratory system, kidneys, eyes, blood, bones, joints |

Carcinogenicity

| Component | ACGIH | IARC | NTP | OSHA | Other |
|---|----------------|----------------|----------------|----------------|----------------|
| Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) | not applicable | not applicable | not applicable | not applicable | not applicable |
| Calcium carbonate | 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 |
| Tricalcium phosphate | not applicable | not applicable | not applicable | not applicable | not applicable |
| Styrene-Ethylene/Propylene Block Copolymer | not applicable | not applicable | not applicable | not applicable | not applicable |
| Molybdenum disulfide | 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 |
|---|-------------------|---|-------------------|-----------------------|---------|
| Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) | no data available | LC50 > 5000 mg/L Oncorhynchus mykiss 96 h | no data available | EC50 > 1000 mg/L 48 h | N/A |
| Calcium carbonate | 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 |
| Tricalcium phosphate | no data available | no data available | no data available | no data available | N/A |
| Styrene-Ethylene/Propylene Block Copolymer | 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 |

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

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 |
|-----------------------------------|-------------------------------------|--------------------------|--|------------------------------|

CERCLA

| Component | Hazardous Substances RQs | CERCLA EHS RQs |
|---|--------------------------|----------------|
| Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) | Not applicable | Not applicable |
| Calcium carbonate | Not applicable | Not applicable |
| Aluminum benzoate fatty acid complex | Not applicable | Not applicable |
| Tricalcium phosphate | Not applicable | Not applicable |
| Styrene-Ethylene/Propylene Block Copolymer | Not applicable | Not applicable |
| Molybdenum disulfide | 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 | Angela Hutson |
| Supersedes Date | 10/07/2010 |
| Issuing Date | 07/12/2012 |
| Reason for Revision | No information available. |
| Glossary | No information available. |
| List of References. | No information available. |

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