

Material Safety Data Sheet

Number: **DMN-238**

Product Name: **Daco[®] Lubricant 220**

A liquid lubricant.

Revised: 3/5/01

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Section 2 - Composition / Information on Hazardous Ingredients

| <u>Ingredient</u> | <u>C.A.S. No.</u> | <u>Percent</u> | <u>Carcinogen</u> |
|---------------------------------|-------------------|----------------|-------------------|
| Aliphatic Petroleum Distillates | 64741-44-2 | > 60% | No |

Section 3 - Hazards Identification

Emergency Overview: Liquid is mildly irritating to the eyes and skin. Vapor pressure and evaporation rate are low so hazardous concentrations in the air are unlikely. Product is combustible. Vapors are heavier than air, but the low vapor pressure and evaporation rate make flammable mixtures in the air unlikely. Spontaneous combustion of wet combustible materials is possible. It may be extinguished by CO₂, dry chemical or foam. A clear, tan liquid with little odor.

Health Hazards: Eye Irritant, Possible Skin Irritant

Physical Hazards: Combustible

Primary Routes of Entry: Through Skin Inhalation Ingestion

Potential Health Effects:

Eyes - may cause irritation, redness, tearing.

Skin - may cause mild irritation. Repeated contact may cause dermatitis on persons with sensitive skin.

Swallowing - low toxicity. Small amounts are not likely to cause harmful effects. Large amounts may be harmful.

Breathing - only excessive breathing of vapors may cause irritation of nasal and respiratory passages.

Target Organs - None.

Section 4 - First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention immediately.

Skin Contact: Wash the exposed skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before wearing again. If irritation persists, get medical attention.

Inhalation: If affected, move the affected person to fresh air. If irritation persists get medical attention.

Ingestion: If the product is swallowed, do NOT induce vomiting. If the affected person is conscious, give a glass of water or milk to drink. Get medical attention.

Section 5 - Fire-Fighting Measures

Flash Point: >200° F. (ASTM D-56 closed cup)

Lower Explosive Limit: 0.6%

Upper Explosive Limit: 7.0%

Extinguishing Media: Foam, carbon dioxide or dry chemical. Water fog to cool containers.

Special Fire Fighting Procedures: None.

Unusual Fire And Explosion Hazards: None.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Wipe or mop up small spills. Larger spills can be collected into clean pails or drums for later use or disposal or absorbed onto oil dry or vermiculite. Dike to prevent entry into drains, sewers, streams and other bodies of water.

Section 7 - Handling and Storage

Store at temperatures between 40° and 100° F.

Do not weld or cut on or around drums or totes, even when empty. Vapors in the air-space may be flammable.

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet.

Section 8 - Exposure Controls / Personal Protection

| <u>Ingredient</u> | <u>C.A.S. No.</u> | <u>Percent</u> | <u>TWA(source)</u> | <u>STEL</u> | <u>Ceiling</u> |
|--|-------------------|----------------|--|-------------|----------------|
| Aliphatic Petroleum Distillates (1)=OSHA PEL (2)=NIOSH (3)=ACGIH (4)=CANADA | 64741-44-2 | > 60% | 400ppm(1), 100mg/m ³ 10 hr(2) | - | - |
| TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous | | | | | |

Ventilation: None required when used as directed. When used as directed a change of room air of 4 times per hour should be adequate.

Respiratory Protection: None expected when used as directed. If the above exposure limits will be exceeded wear a NIOSH approved respirator with an organic vapor cartridge.

Gloves: If there will be prolonged skin contact wear rubber or latex gloves.

Eye Protection: Safety glasses are not required as this is only a mild irritant. If eye contact through splashing is possible, the wearing of safety glasses with side shields, especially for contact lens wearers, is a good idea.

Other Protective Equipment: None.

Section 9 - Physical and Chemical Properties

Boiling Point: 475° F.

Specific Gravity: 0.85

Percent Volatiles: 85%

Solubility In Water: None

Appearance and Odor: A clear tan liquid with little odor.

Vapor Pressure: 0.01 mmHg @ 77 °F.

Vapor Density: 5.9 (Air = 1.0)

Evaporation Rate: < 0.10 (1=N-Butyl Acetate).

pH: Not Applicable

Section 10 - Stability and Reactivity

Incompatibility: Oxidizers, hypochlorites, bleach.

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Target Organs: None.

Section 12 - Ecological Information

Do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Should be disposed of by incineration or in an approved land fill. Do not dispose of in sanitary or storm sewers. Follow all local, state and federal regulations.

Section 14 - Transport Information

D.O.T. Hazard Class: None

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

| | | | |
|-------------------------------|------------------|------------------------|----------------------|
| NFPA / HMIS Estimates: | Health: 1 | Flammability: 2 | Reactivity: 0 |
|-------------------------------|------------------|------------------------|----------------------|

0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

Replaces sheet dated 8/14/00. Flash point corrected from 140° F. to >200° F.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.