

Material Safety Data Sheet

Revision Date 24-Jan-2012

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DA7070
Product name Freeway
Recommended Use Lubricant

Supplier Drummond American
A Lawson Products Company
600 Corporate Woods Parkway
Vernon Hills, IL 60061
(847) 913-9313

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Flammable. Irritant. May be harmful if swallowed.

Aggravated Medical Conditions

Pre-existing respiratory disorders. Pre-existing pulmonary disorders. Cardiovascular conditions.

Principal Routes of Exposure

Eyes. Skin. Inhalation. Ingestion.

Potential health effects

Eyes Severe irritation.

Skin Mild irritation. Defatting.

Inhalation Dizziness. Possible unconsciousness.

Ingestion Nausea. Vomiting. Unconsciousness.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Aluminum	7429-90-5	3-7
Naphtha (petroleum), hydrotreated heavy	64742-48-9	1-5
Silicon Dioxide - hydrated	7631-86-9	1-5
Graphite	7782-42-5	3-7
Heptane (n-)	142-82-5	10-30
Propane/Isobutane/N-Butane	68476-86-8	15-25
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	30-60

4. FIRST AID MEASURES

Eye contact Flush eyes with plenty of water. Seek medical attention if irritation persists.

Skin contact Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Ingestion Do not induce vomiting. Seek medical attention immediately.

Inhalation Remove to fresh air. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flash point °C 50
Flash point °F 122
Method Tag Closed Cup

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)

Upper 7.5
Lower 1.1

Specific Information for Aerosol Products

Flame extension >18"

Suitable extinguishing media

Dry chemical powder.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific hazards

Extremely flammable .

Fire and Explosion Hazards

Contents under pressure. Aerosol containers may vent, rupture or burst when heated to temperatures above 120°F. Vapors are volatile and heavier than air. They will tend to collect in low lying areas. Vapors of this product may develop a flammable atmosphere in confined areas.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Soak up excess with absorbent material. Wipe or scrape up and dispose of spill. Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Handling

Keep from excessive heat. Keep away from open flame.

Product code **DA7070**Product name **Freeway****Storage**

Keep tightly closed in a dry and cool place. Store in temperatures below 120 degrees F.

NFPA Storage Code

Store as Level 2 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-
Propane/Isobutane/N-Butane	-	-	-	N/D
Heptane (n-)	2000 mg/m ³ 500 ppm	-	400 ppm	500 ppm
Graphite	-	-	2 mg/m ³	-
Aluminum	15 mg/m ³ total 5 mg/m ³	-	1 mg/m ³	-
Silicon Dioxide - hydrated	15 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction)	10 ppm	10 mg/m ³ (total dust)	ND
Naphtha (petroleum), hydrotreated heavy	-	-	-	-

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

Hygiene measures

Wash hands before breaks and immediately after handling the product.

Respiratory protection

Wear a respirator or gas mask with appropriate NIOSH approved cartridge or canister, or supplied air equipment, if airborne concentration limits are exceeded.

Hand Protection

Gloves are not required in normal use.

Eye protection

Use safety eyewear designed to protect against splash of liquids.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Silver - Gray
Odor	Solvent
Odor Threshold	Not Applicable
pH	Not Applicable
Specific Gravity	1.1

Vapor pressure

124mmHg

Vapor density

0.1% (air=1)

Evaporation Rate

0.1% (Butyl Acetate = 1)

Water solubility

0%

VOC Content

40%

Partition Coefficient (n-octanol/water)

Not Applicable

Boiling point/range °C

68

Boiling point/range °F

156

Melting point/range °C

Not Applicable

Melting point/range °F

Not Applicable

Flash point °C

50

Flash point °F

122

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Do not store in temperatures above 120 degrees F.

Incompatibility

Some plastics. Oxygen.

Hazardous Decomposition Products

None known.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	5000 mg/kg	5000 mg/kg	5 mg/L
Propane/Isobutane/N-Butane 68476-86-8	-	-	-
Heptane (n-) 142-82-5	-	3000 mg/kg	103 g/m ³
Graphite 7782-42-5	-	-	-
Aluminum 7429-90-5	-	-	-
Silicon Dioxide - hydrated 7631-86-9	5000 mg/kg	2000 mg/kg	2.2 mg/L
Naphtha (petroleum), hydrotreated heavy 64742-48-9	5000 mg/kg	3160 mg/kg	-

Synergistic Products None known

Potential health effects

Sensitization None known

Chronic toxicity See Section 2 .

Mutagenic effects None known

Teratogenic effects None known

Reproductive toxicity None known

Target Organ Effects See Section 2

Carcinogenic effects See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Heptane (n-)	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Graphite	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Aluminum	A4	Not Listed	Not Listed	Not Listed	Not Listed
Silicon Dioxide - hydrated	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Naphtha (petroleum), hydrotreated heavy	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Petroleum distillates, hydrotreated heavy naphthenic

Water Flea Data

Daphnia magna hEC50 48 (>1000 mg/L)

Heptane (n-)

Water Flea Data

Daphnia magna hEC50 24 (>10 mg/L)

Silicon Dioxide - hydrated

Water Flea Data

Ceriodaphnia dubia hEC50 48 (7600 mg/L)

Naphtha (petroleum), hydrotreated heavy

Water Flea Data

Chaetogammarus marinus hLC50 96 (2.6 mg/L)

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations. Do not puncture or incinerate. Do not reuse container. Wrap container and place in trash collection.

14. TRANSPORTATION INFORMATION

DOT

UN1950 Aerosols, flammable, 2.1

Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG

UN1950 AEROSOLS, flammable, 2.1

15. REGULATORY INFORMATION

US EPA SARA 313

Chemical Name	US EPA SARA 313 Emission Reporting
Aluminum	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed
Heptane (n-)	Listed	Listed	Not Listed
Graphite	Not Listed	Listed	Not Listed
Aluminum	Listed	Listed	Not Listed
Silicon Dioxide - hydrated	Listed	Listed	Not Listed
Naphtha (petroleum), hydrotreated heavy	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Petroleum distillates, hydrotreated heavy naphthenic	X	X	-	X
Propane/Isobutane/N-Butane	X	X	-	X
Heptane (n-)	X	X	-	X
Graphite	X	X	-	X
Aluminum	X	X	-	X
Silicon Dioxide - hydrated	X	X	-	X
Naphtha (petroleum), hydrotreated heavy	X	X	-	X

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

NFPA

Health - 1
Flammability - 3

Product code **DA7070**

Product name **Freeway**

16. OTHER INFORMATION

Reactivity - 1

HMIS

Health - 1

Flammability - 3

Physical Hazard - 1

Prepared By

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