

Material Safety Data Sheet



Revision Date 26-Sep-2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code DA6881
Product name Prizm
Recommended Use Lubricant
Supplier Drummond American Corporation
600 Corporate Woods Parkway
Vernon Hills, IL 60061
(847) 913-9313

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Vapors irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion.

Color Amber

Odor Slight Solvent

Form Aerosol

Aggravated Medical Conditions No information available

Principal Routes of Exposure Inhalation. Eyes. Skin contact. Skin absorption. Ingestion.

Potential health effects

Eyes

May cause the following effects: Pain. Reddening. Tearing. Swelling. Stinging sensation. Feeling like that of fine dust in the eye.

Skin

Repeated or prolonged exposure may cause: Skin Irritation. dermatitis.

Inhalation

Irritating to respiratory system. Extreme overexposure may cause. Decreased blood pressure. Headaches. Dizziness. Nausea. Changes in heart rate. Cyanosis. Central nervous system damage. Lung damage.

Ingestion

May be harmful if swallowed. Corrosive. Can burn mouth, throat, and stomach. Repeated or prolonged exposure may cause: Kidney effect. Lung damage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane/Isobutane/N-Butane	68476-86-8	15-40
N-Heptane	142-82-5	10-30
Olefin Polymer	Proprietary	10-30

4. FIRST AID MEASURES

Eye contact	Flush eyes immediately with large amounts of water. Seek medical attention if irritation persists.
Skin contact	Wash area thoroughly with soap and water. Seek medical attention if irritation persists.
Ingestion	Call a physician or Poison Control Center immediately. Do not induce vomiting. Give victim a glass of milk. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash point °C	-104
Flash point °F	-156
Method	Pensky-Martens C.C.

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

Flammability Limits (% in Air)

Upper	9.5
Lower	1.2

Suitable extinguishing media

Alcohol foam. Carbon dioxide (CO2). Dry chemical. Foam. Water fog.

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 .

Fire and Explosion Hazards

Vapors are heavier than air and may travel along the ground to an ignition source distant from material handling area. Possible ignition sources include pilot lights, flames, lighted cigarettes, heating elements, electric motors, sparks from electrical switches. Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death. Containers may vent or burst under extreme or prolonged fire conditions.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Handling

Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities.

Storage

Containers exposed to extreme heat may burst. Keep away from heat and sources of ignition. Do not freeze.

NFPA Storage Code

Store as Level 3 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Propane/Isobutane/N-Butane	-	-	-	N/D
N-Heptane	2000 mg/m ³ 500 ppm	-	400 ppm	500 ppm
Olefin Polymer	-	-	-	-
Tetrafluoroethylene	-	-	2 ppm	-

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 at the end of workday. Remove and wash contaminated clothing before re-use.

Other precautions

Avoid contact with skin, eyes and clothing Avoid breathing vapors or mists

Personal protective equipment

Respiratory protection

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Wear a NIOSH approved organic vapor respirator. Protection provided by air purifying respirators is limited. In case of insufficient ventilation wear suitable respiratory equipment. Use a positive pressure supplied air respirator.

Hand protection

Chemical resistant gloves.

Eye protection

Safety glasses with side-shields. Face shield is recommended.

Skin and body protection

Wear appropriate clothing to minimize skin contact. Impervious clothing. Boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	Color	Amber
Odor	Slight Solvent	Odor Threshold	No information available
pH	Not Applicable	Specific Gravity	0.6783

Vapor pressure	80-90mmHg @68°F	Vapor density	>Air
Evaporation Rate	>1 (Ether =1)	VOC Content	2.93 lbs/gal
Water solubility	Negligible	Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	-41 - 98	Boiling point/range °F	-43 - 209
Melting point/range °C	0	Melting point/range °F	32
Flash point °C	-104	Flash point °F	-156

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions.

Conditions to avoid

Avoid sources of ignition. Avoid open flames. Do not use near welding arcs.

Materials to avoid

Strong acids. Oxidizers. Amines. Alkalis.

Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx). Chloride. Chlorine. Phosgene .

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
<i>Propane/Isobutane/N-Butane</i> 68476-86-8	-	-	-
<i>N-Heptane</i> 142-82-5	-	-	103 g/m ³
<i>Olefin Polymer</i> <i>Proprietary</i>	-	-	-
<i>Tetrafluoroethylene</i> 116-14-3	-	-	129.1 mg/L 40000 ppm

Synergistic Products

No information available

Potential health effects

Sensitization

No information available.

Chronic toxicity

No information available

Mutagenic effects

No information available.

Teratogenic effects

No information available

Reproductive toxicity
No information available

Target Organ Effects
No information available

Carcinogenic effects
See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
N-Heptane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Olefin Polymer	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Tetrafluoroethylene	A3 - Confirmed animal carcinogen with unknown relevance to humans	Group 2B	Not Listed	Listed	Listed

12. ECOLOGICAL INFORMATION

No Information Available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products
Dispose in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT

Consumer commodity (Propane/Isobutane/N-Butane,N-Heptane),ORM-D,

TDG

AEROSOLS(Propane/Isobutane/N-Butane,N-Heptane), Class 2.1,UN1950,PG

IMDG/IMO

Aerosols(Propane/Isobutane/N-Butane,N-Heptane),UN1950,PG

IATA

Aerosols, flammable(Propane/Isobutane/N-Butane,N-Heptane),UN1950
Hazard Class 2.1

MEX

UN1950 Aerosols(Propane/Isobutane/N-Butane,N-Heptane),2.2,

15. REGULATORY INFORMATION**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed
N-Heptane	Not Listed	Listed	Not Listed
Olefin Polymer	Not Listed	Not Listed	Not Listed
Tetrafluoroethylene	Listed	Listed	Carcinogen

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Propane/Isobutane/N-Butane	X	X	-	X
N-Heptane	X	X	-	X
Olefin Polymer	-	-	-	-
Tetrafluoroethylene	X	X	-	X

CPRC

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		HMIS	
Health	-	Health	1
Flammability	-	Flammability	4
Reactivity	-	Physical Hazard	0

Prepared By

H. Buck, Regulatory Affairs Supervisor

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.