

Revision Date 06-Nov-2007

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** Solvent**Form** Aerosol**Aggravated Medical Conditions** None Known**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. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion Harmful or fatal if swallowed. 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
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	10-30
Petrolatum	8009-03-8	3-7

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	Seta closed cup
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

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

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 noncombustible inert absorbent material. Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE**Handling**

Ensure adequate ventilation. Remove and wash contaminated clothing before re-use. Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities. Use only according to label directions. Empty containers are very hazardous. Containers can contain explosive vapors or residues. Avoid contact with skin, eyes and clothing. Avoid breathing vapors.

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
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-
N-Heptane	2000 mg/m ³ 500 ppm	-	400 ppm	500 ppm
Olefin Polymer	-	-	-	-
Petrolatum	-	-	-	-

Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, or both, to keep below the TLV's in the worker's breathing zone and the general area.

Hygiene measures

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

Personal protective equipment

Respiratory protection

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Protection provided by air purifying respirators is limited. Use a positive pressure supplied air respirator. if there is any potential for an uncontrolled release. where exposure levels are not known. or other circumstances where an air purifying respirator (P100) may not provide adequate protection .

Hand Protection

Chemical resistant gloves.

Eye protection

Use safety eyewear designed to protect against splash of liquids. ANSI approved safety glasses or splash goggles with face shield are recommended.

Skin and body protection

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

9. PHYSICAL AND CHEMICAL PROPERTIES

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Form	Aerosol	Color	Amber
Odor	Solvent	Odor Threshold	No information available
pH	Not Applicable	Specific Gravity	0.6783
Vapor pressure	80-90	Vapor density	>Air
Evaporation Rate	>1 (Butyl Acetate = 1)	VOC Content	351 gm/l; 2.93 lbs/gal
Water solubility	Negligible	Partition Coefficient (n-octanol/water)	Not Applicable
		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.

Incompatibility

Strong acids. Oxidizers. Amines. Alkalis.

Hazardous Decomposition Products

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

Polymerization

Hazardous polymerization does 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>Petroleum distillates, hydrotreated heavy naphthenic</i> 64742-52-5	5000 mg/kg	2000 mg/kg	2.18 mg/L
<i>N-Heptane</i> 142-82-5	-	-	103 g/m ³
<i>Olefin Polymer Proprietary</i>	-	-	-
<i>Petrolatum</i> 8009-03-8	-	3600 mg/kg	-

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Mutagenic effects

None known

Reproductive toxicity

None known

Chronic toxicity

See Section 2 .

Teratogenic effects

None known

Target Organ Effects

Long term exposure to vapor may cause kidney damage.
 Long term exposure to vapor may cause liver damage.
 Central nervous system.

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
Petroleum distillates, hydrotreated heavy naphthenic	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
Petrolatum	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Specific Hazards

Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

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

UN1950 Aerosols, flammable, (Propane/Isobutane/n-Butane), Class 2.1

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

UN1950 AEROSOLS, flammable (Propane/Isobutane/n-Butane), Class 2.1 (Consumer commodity, ORM-D)

14. TRANSPORT INFORMATION

IMDG/IMO

UN1950 AEROSOLS, flammable (Propane/Isobutane/n-Butane), Class 2.1

IATA

UN1950 Aerosols, flammable (Propane/Isobutane/n-Butane), Class 2.1

MEX

UN1950 AEROSOLES (Propano/Isobutano/n-Butano), 2.1

15. REGULATORY INFORMATION

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed
N-Heptane	Not Listed	Listed	Not Listed
Olefin Polymer	Not Listed	Not Listed	Not Listed
Petrolatum	Not Listed	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Propane/Isobutane/N-Butane	X	X	-	X
Petroleum distillates, hydrotreated heavy naphthenic	X	X	-	X
N-Heptane	X	X	-	X
Olefin Polymer	-	-	-	-
Petrolatum	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

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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.