DRUMMOND AMERICAN

Material Safety Data Sheet

Revision Date *11-Oct-2006*

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
Isopar M Fluid	64742-47-8	10-30
N-Heptane	142-82-5	10-30
Olefin Polymer	Proprietary	7-13
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	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 0.5%

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. 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
N-Heptane	2000 mg/m³ 500 ppm	-	400 ppm	500 ppm
Isopar M Fluid	-	-	-	-
Olefin Polymer	-	-	-	-
Petroleum distillates, solvent dewaxed heavy paraffinic	-	-	-	-

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

Form	Aerosol	**Color**	Amber
Odor	Solvent	**Odor Threshold**	No information available
pH	Not Applicable	**Specific Gravity**	0.6914
Vapor pressure	80-90	**Vapor density**	>Air
Evaporation Rate	>1 (Butyl Acetate = 1)	**VOC Content**	49.3%; 340 g/l; 2.84 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.

Incompatability
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)
Propane/Isobutane/N-Butane 68476-86-8	-	-	-
N-Heptane 142-82-5	-	-	103 g/m^3

Isopar M Fluid 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L
Olefin Polymer Proprietary	-	-	-
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0	5000 mg/kg	2000 mg/kg	2.18 mg/L

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
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
N-Heptane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Isopar M Fluid	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Olefin Polymer	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, solvent dewaxed heavy paraffinic	Not Listed	Not Listed	Not Listed	Not Listed	Not 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

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

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 (Propane/Isobutane/n-Butane), 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
N-Heptane	Not Listed	Listed	Not Listed
Isopar M Fluid	Not Listed	Not Listed	Not Listed
Olefin Polymer	Not Listed	Not Listed	Not Listed
Petroleum distillates, solvent dewaxed heavy paraffinic	Not Listed	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Propane/Isobutane/N-Butane	X	X	-	X
N-Heptane	X	X	-	X
Isopar M Fluid	X	X	-	X
Olefin Polymer	-	-	-	-
Petroleum distillates, solvent dewaxed heavy paraffinic	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 Michael Katz, Regulatory Affairs Specialist

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.