

Material Safety Data Sheet



Revision Date 05-Dec-2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code DA7560
Product name Free Ride
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

Harmful by inhalation. Flammable.

Color Colorless

Odor Slight Sweet Solvent

Form Aerosol

Aggravated Medical Conditions None Known.

Principal Routes of Exposure Inhalation. Eyes. Skin.

Potential health effects

Eyes Irritation. Redness. Burning sensation.

Skin Repeated or prolonged exposure may cause: Itching. Redness. Burning sensation.

Inhalation Headaches. Dizziness. Nausea. Loss of coordination. Irritating to respiratory system. Central nervous system effects. Extreme overexposure may cause. Possible unconsciousness. Death. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Butane	106-97-8	10-30
Graphite	7782-42-5	0.5-1.5
Propane	74-98-6	10-30
Heptane (n-)	142-82-5	30-60
Toluene	108-88-3	0.5-1.5
Isopropyl Alcohol	67-63-0	15-40

4. FIRST AID MEASURES

Eye contact	Flush with plenty of water for at least 15 minutes. Seek medical attention.
Skin contact	Wash area thoroughly with soap and water. Remove and wash contaminated clothing before re-use.
Ingestion	Do not induce vomiting. Seek medical attention immediately.
Inhalation	Remove from exposure. Restore breathing. Keep warm and quiet. Contact physician if breathing difficulty develops.

5. FIRE FIGHTING MEASURES

Flash point °C	< -17.78
Flash point °F	< 0
Method	No information available

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

Flammability Limits (% in Air)

Upper	12.7
Lower	1.0

Specific Information for Aerosol Products

Flame extension	18-36 in
Flashback	Yes

Suitable extinguishing media

Fire and Explosion Hazards

Containers may vent or burst under extreme or prolonged fire conditions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limits. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Handling

Vapors may accumulate readily and may ignite explosively. Ensure adequate ventilation. Do not smoke. Keep away from open flames, hot surfaces and sources of ignition. Do not puncture or incinerate. Do not take internally. Ground and bond containers when transferring material. Contents under pressure.

Storage

Store in temperatures below 120 degrees F. Keep away from heat and sources of ignition. Containers exposed to extreme heat may burst. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Heptane (n-)	2000 mg/m ³ 500 ppm	-	400 ppm	500 ppm
Isopropyl Alcohol	400 ppm 980 mg/m ³	-	200 ppm	400 ppm
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm 1000 ppm listed under aliphatic hydrocarbon gases alkane C1-C4	-
Butane	800 ppm	-	1000 ppm 1000 ppm listed under aliphatic hydrocarbon gases alkane C1-C4	-
Toluene	200 ppm	300 ppm	50 ppm	-
Graphite	-	-	2 mg/m ³ respirable fraction, all forms except graphite fibers	-

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. General: as necessary.

Product code **G2**_____

7560

Product name **Free Ride**

11. TOXICOLOGICAL INFORMATION

Information

Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
	-	-	103 g/m ³
Alcohol	4396 mg/kg	12800 mg/kg 12800 mg/kg	72.6 mg/L
	-	658 mg/kg	-
	-	-	658 g/m ³
	636 mg/kg	8390 mg/kg	12.5 mg/L 26700 ppm
	-	-	-

Products

Effects

Not Listed Not Listed Not Listed

Effects

Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	OSHA RTK Carcinogens
Alcohol	Not Listed	Not Listed	Not Listed	Not Listed
Alcohol	A4 - Not Classifiable as a Human Carcinogen	Group 1	Not Listed	Listed
Alcohol	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Disposal Information

Waste must be tested for ignitability to determine EPA hazardous waste nu9(3. rsDISo n.004 g36 54einci0 TDTc3414 Tc-0.002932

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