MATERIAL SAFETY DATA SHEET 200211

Product and Company Identification

Company phone Company information Effective date Product name Emergency telephone US Product number 800-424-9300 General Assistance 630-543-7600 LEMANS CORPORATION
P O BOX 5222
JANESVILLE, WI 53547 United States 14-Oct-2009 MOOSE RACING PLASTIC CLEANER 848-002

Version # Emergency telephone outside US upersedes date 03-Sep-2009 703-527-3887

2. Hazards Identification

Emergency overview CONTENTS UNDER PRESSURE. Aerosol. Will be easily ignited by heat, spark or

flames. Harmful in contact with eyes. Prolonged exposure may cause chronic effects.

otential health effects

Skin

Eyes Routes of exposure

dermatitis (rash).

This product may be harmful if it is absorbed through the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and

Contact may irritate or bum eyes. Eye contact may result in comeal injury.

ingestion. Skin contact. Eye contact.

Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.

Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been

Blood. Central nervous system. Lungs.

Unconsciousness Conjunctiva. May cause central nervous system disorder (e.g. narrossi involving a loss of coordination, weakness, tatigue, mentals consission, and blurred vision) and/or damage. May cause delayed lung damage. Can cause adverse

Discomfort in the chest. Comeal damage. Narcosis. Cyanosis. Conjunctivitis. Defatting of the skin. Irritation. Birth defects, Sterility.

Signs and symptoms

Chronic effects

Target organs

Ingestion

Inhalation

Composition / Information on Ingredients

Components	CAS#	Percent
2-Butoxyethanol	111-76-2	3-5
Ethyl Alcohol	64-17-5	3-5
Propane	74-98-6	1-3
n-Butane	106-97-8	1-3
Non-hazardous and other components below reportable levels		80 - 90
4. First Aid Measures		

First aid procedures Eye contact

Skin contact Immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops or persists. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately

Product # 848 MOOSE RACING PLASTIC CLEANER Product name: Plastic Cleaner

Ingestion Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Flammable properties Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

Extinguishing media

Protection of firefighters

Protective equipment and precautions for firefighters

Accidental Release Measures

Methods for containment leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the

container dry. Keep in an area equipped with sprinklers. Keep out of the reach of children. Do not store, incinerate, or heat this material above 120 degrees Fahrenheit. Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat and sources of lightion. Avoid exposure to long periods of sunlight. Store in cool place. Keep the Level 1 Aerosol. Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of tignition. Use only in area povided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure.

Storage

Handling

Product name: Plastic Cleaner

If material is ingested, immediately contact a poison control center. Have widlim rinse mouth thoroughly with water. Do not induce vomiting without advice from poison control center. If vomiting occurs naturally, have within lean floward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim injested the substance, induce artificial respiration with the add of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. Fire Fighting Measures

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

In the event of fire and/or explosion do not breathe furnes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent varoor pressure build up for massive fire, use unmanned toose holders or monitor nozzies; if this is impossible, withdraw from area and let fire burn.

Methods for cleaning up

Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later Small Spills: Wipe up with absorbent material (e.g. cloth, fleece), Clean contaminated surface thoroughly. 7. Handling and Storage

Exposure Controls / Personal Protection

ACGIH				
Components	CAS#	AWT	STEL	Ceiling
2-Butoxyethanol	111-76-2	20 ppm	Not established	Not established
Ethyl Alcohol	64-17-5	1000 ppm	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established
n-Butane	106-97-8	1000 ppm	Not established	Not established
OSHA				
Components	CAS#	TWA	STEL	Ceiling
2-Butoxyethanol	111-76-2	50 ppm	Not established	Not established
Ethyl Alcohol	64-17-5	1000 ppm	Not established	Not established
Drongne	74-98-6	1000 ppm	Not established	Not established

Product #: 848-MOOSE RACING PLASTIC CLEANER

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Personal protective equipment

Eye / face protection

Skin protection

Respiratory protection

Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Wear chemical goggles.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor carridge or an air-supplied respirator.

9. Physical & Chemical Properties

Color Boiling point Appearance 204.8 °F (96.1 °C) estimated Compressed liquefied gas.

Flash back Flammability (HOC) 4.0856 kJ/g estimated

Flash point Buty Aerosol. -156 °F (-104.4 °C) Propellant

Form

Solubility Physical state Liquid. Partially 90 - 110 psig @ 70F 9.5 - 10.5

Specific gravity

0.9605 estimated

10. Chemical Stability & Reactivity Information

Conditions to avoid Chemical stability incompatible materials None known. Heat, flames and sparks. Risk of Ignition.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological Information

Sensitization Acute effects Not expected to be hazardous by OSHA criteria. Acute LD50: 5684 mg/kg estimated, Rat, Dermal

Reproductive effects Hazardous by OSHA criteria. Possible reproductive hazard. Can cause adverse reproductive effects - such as birth defects, miscarriages, and infertility.

Not expected to be hazardous by OSHA criteria.

12. Ecological Information

Components of this product have been identified as having potential environmental

Ecotoxicity

Teratogenicity

LC50 28836 mg/L, Fish, 98.00 Hours, EC50 42520 mg/L, Daphnia, 48.00 Hours, IC50 11902 mg/L, Algae, 72.00 Hours,

13. Disposal Considerations

Waste codes

Disposal instructions

D001: Waste Flammable material with a flash point <140 F

Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container at hazardous or special waste collection point. Do not atlow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

Product #: 848-MOOSE RACING PLASTIC CLEANER

MSDS US 3 / 5

14. Transport Information

Department of Transportation (DOT) Requirements

Packaging exceptions Proper shipping name Additional information: Subsidiary hazard class Hazard class Basic shipping requirements: 156, 306 ORM-D Consumer commodity

Packaging bulk Packaging non bulk None 156, 306

Proper shipping name Basic shipping requirements: **AEROSOLS**

Packaging exceptions Additional information UN number Hazard class רבם מבא 1950

Transport Category Labels required None

ATA Additional information: UN number Proper shipping name Hazard class Basic shipping requirements: 1950 2.1 Aerosols, flammable

Labels required

Packaging exceptions

רבם סבע

15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2-Butoxyethanoi U.S. - CERCLA/SARA - Section 313 - Emission Reporting

111-76-2 10 % de minimis concentration (applies to R+(OCH2C)+2)+-OR; where n = 1,2, or 3. R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R = H or alkyl C7 or less, or QR consisting of carloxyl cacid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230)

Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200 hazardous Yes

CERCLA (Superfund) reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

Section 302 extremely Š

Section 311 hazardous chemical Yes

Product #: 848 MOOSE RACING PLASTIC CLEANER

MSDS US 4/5

Inventory status			
Country(s) or region	inventory name	On inventory (yes/no)*	¥
China	Inventory of Exist	Inventory of Existing Chemical Substances in China (IECSC)	중
Europe	European Invento	European Inventory of New and Existing Chemicals (EINECS) Yes	ũ
Europe	European List of I	European List of Notified Chemical Substances (ELINCS)	0
Japan	Inventory of Exist	`S)	0
Korea	Existing Chemicals List (ECL)		0
United States & Puerto Rico	Toxic Substances	Toxic Substances Control Act (TSCA) Inventory Yes	Š
A "Yes" indicates that all compone	nts of this product co	A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)	
State regulations			
U.S Pennsylvania - RTK (Right to Know) List	to Know) List		
2-Butoxyethanol		Present	
Ethyl Alcohol		Present	
n-Butane	106-97-8	Present	
Propane	74-98-6	Present	
	16	16. Other Information	ட
Further information	HMIS® is a r	HMIS® is a registered trade and service mark of the NPCA.	
HMIS® ratings	Health: 1* Flammability: 2 Physical hazard: 0	2 ard: 0	
Disclaimer	The informati knowledge, ir designed only disposal and information rematerial used in the text.	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is knowledge, information and belief at the date of its publication. The information given on the processing storage transportation, designed only as a guidance for safe handing, use processing storage transportation. The information relates and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.	
MSDS sections updated	Product and of Composition Hazards Iden	Product and Company Identification: Product and Company Identification Composition / Information on Ingredients: Ingredients Ingredients Hazards Identification: Inhalation	
	Hazards Iden Fire Fighting Fire Fighting i Fire Fighting and Handling and Transport Info Regulatory In	Hazards Identification: Main symptoms Fire Fighting Measures: Unusual fre & explosion hazards Fire Fighting Measures: Special protective equipment for firefighters Fire Fighting Measures: Special protective equipment for firefighters Handling and Storage: Storage Transport Information: Agency Name and Packaging Type/Transport Mode Selection Regulatory Information: United States	
Prepared by	Begulatory Compliance	Oppliance	

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