

MATERIAL SAFETY DATA SHEET

REVISION NO. 2

REVISION DATE: 03.22.01

SECTION I – SOURCE AND NOMENCLATURE

Manufacturer's Name

LuBoron, LLC

Emergency Telephone No.

(866) 582-6766

Address

1147 River Road
Charlottesville, VA 22901

Chemical Family

BORIC DERIVATIVES IN HYDROCARBON BASE

Chemical Trade Name and Synonyms

LUBORON GEAR LUBE

SECTION II – OSHA REGULATED INGREDIENTS

C.A.S.

EXPOSURE

Req. No. Material

Wgt %

Limit

8002-05-9 PETROLEUM OIL WITH BORON DERIVATIVES

20.00

15 MG/M3

PETROLEUM HYDROCARBONS (NOT REGULATED BY OSHA)

80.00

5 MG/M3

SECTION III – PHYSICAL DATA

Boiling Point 375 C/705 F

Vapor Pressure .01

Vapor Density N/A

Melting Point N/A

Evaporation Rate N/A

Volatile N/A

Specific Gravity 0.89

Solubility in Water NEGLIGIBLE

V.O.C. = 0.0001

Appearance/Odor

BROWN, MILD ODOR

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point = 435 F.

Flammable (Explosive) Limits

Upper N/A

Lower N/A

Method

CLEVELAND OPEN CUP.

Extinguishing Media

CO 2, DRY CHEMICAL, FOAM, WATER FOG.

Special Fire Fighting Procedures

USE SELF-CONTAINED BREATHING APPARATUS APPROVED BY NIOSA.

Unusual Fire and Explosion Hazards

WATER MAY CAUSE FROTHING – TOXIC FUMES GIVEN OFF ABOVE 610 DEGREES F.

www.luboron.com

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SECTION V – HEALTH HAZARD DATA

Effects of Overexposure

Inhalation: FOR MATERIAL TEMPS OVER 610 DEG. F., POLYMER FUME FEVER MAY RESULT FROM INHALING FUMES.
Ingestion: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.
Eye: MAY CAUSE TEMPORARY EYE IRRITATION.
Skin: REPEATED AND PROLONGED CONTACT CAN CAUSE IRRITATION AND DERMATITIS.

Emergency and First-Aid Procedures

Inhalation: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR.
Ingestion: SEEK MEDICAL ATTENTION IMMEDIATELY; DO NOT INDUCE VOMITING.
Skin: WASH WITH SOAP AND WATER, REMOVE CONTAMINATED CLOTHING, AND LAUNDRER BEFORE RE-USE

SECTION VI – REACTIVITY DATA

Conditions Contributing to Instability

STABLE

Conditions Contributing to Hazardous Polymerization

NONE

Incompatibility (Materials to Avoid)

STRONG OXIDIZERS

Hazardous Decomposition of Products

CO, CO₂

SECTION VII – SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled

APPLY ABSORBENT MATERIAL AND TRANSFER CONTAINERS.

Waste Disposal Methods

CONSULT WITH FEDERAL, STATE, AND LOCAL WASTE REGULATIONS

SECTION VIII – SPECIAL PROTECTION INFORMATION

Ventilation Requirements

PROVIDE SUFFICIENT MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(s).

Protective Equipment

Eye: WEAR SPLASH GOGGLES OR OTHER APPROPRIATE EYE PROTECTION.
Glove: WEAR NEOPRENE GLOVES TO PREVENT REPEATED OR PROLONGED CONTACT.
Respirator: IF THE TLV OF THE PRODUCT IS EXCEEDED, A MECHANICAL OR SELF-CONTAINED BREATHING APPARATUS IS ADVISED.
Other: NO SPECIAL EQUIPMENT DEEMED NECESSARY UNDER NORMAL USAGE.

SECTION IX – SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storage

AVOID PROLONGED INHALATION OF MISTS OR VAPORS.

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended hygiene and safe-handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.