

Safety Data Sheet

Moly Lube NC 1777

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Moly Lube NC 1777
PRODUCT CODE: 521020002-20AR
RECOMMENDED USE: Dry Lubricant
RESTRICTIONS ON USE: None Known
COMPANY NAME: Banner Labs
COMPANY ADDRESS: P O Box 41388 Houston, TX 77241-1388
COMPANY PHONE: 713-896-8778
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Aerosol: Category 1

Liquefied Gas

Skin Irritant: Category 2

Eye Irritant: Category 2A

Reproductive Toxicity: Category 2

Specific Target Organ Toxicity (Single Exposure): Category 3

Specific Target Organ Toxicity (Repeated Exposure): Category 2

HAZARD STATEMENT(S): DANGER: Extremely Flammable Aerosol. Contains gas under pressure: May explode if heated. Causes skin and serious eye irritation. Suspected of damaging fertility or the unborn child. May cause respiratory irritation, drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice or attention. Do not breathe fumes, mist, vapor and spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. Dispose of contents and container in accordance with local, state, and national regulations.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Acetone	67-64-1	30-60%
Isopropyl Alcohol	67-63-0	5-15%
Propane/n-Butane	68476-86-8	15-40%
Toluene	108-88-3	3-7%

SECTION IV - FIRST AID MEASURES

EYES: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

INGESTION: Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Drink large quantities (1 qt, 2-4 glasses) of water. Seek immediate medical attention.

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INHALATION: If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

SKIN: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision

Skin: defatting and dermatitis

CHRONIC HEALTH HAZARDS: May cause damage to the following organs: kidneys, liver, respiratory, reproductive and central nervous systems.

NOTE TO PHYSICIAN: There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, and alcohol foam.

UNSUITABLE EXTINGUISHING MEDIA: Water spray/stream.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Flammable.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Clean up with rag or use some non-combustible material like vermiculite, sand or earth.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

RCRA STATUS: Waste solvent likely considered U220 (Toluene), hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS: Keep out of the reach of children.

INCOMPATIBILITY: Concentrated nitric & sulfuric acid mixtures, oxidizing materials, chloroform, alkalis, chlorine compounds, acids, plastics, rubber, coatings.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Acetone	1000 ppm	500ppm
Isopropyl Alcohol	400 ppm	200 ppm
Propane/n-Butane	1000 ppm	1000 ppm
Toluene	200 ppm	50 ppm

ENGINEERING CONTROLS / VENTILATION: Normal, forced ventilation required. Local exhaust ventilation is generally preferred.

RESPIRATORY PROTECTION: Not required with normal use. Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses and chemical resistant gloves

ADDITIONAL MEASURES: Wash hands thoroughly after handling.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Black Liquid

ODOR: Solvent odor

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ODOR THRESHOLD: N/D

pH: N/A

MELTING POINT/FREEZING POINT: N/D

INITIAL BOILING POINT AND BOILING RANGE: N/D

FLASH POINT: N/D

EVAPORATION RATE: > 1

FLAMMABILITY(solid/gas): Extremely Flammable Aerosol

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

LOWER FLAMMABILITY LIMIT: N/D

UPPER FLAMMABILITY LIMIT: N/D

EXPLOSIVE LIMIT LOWER (%): N/D

EXPLOSIVE LIMIT UPPER (%): N/D

VAPOR PRESSURE (mm Hg): N/D

VAPOR DENSITY (AIR=1): N/D

RELATIVE DENSITY (H₂O=1): 0.82-0.84 @ 77° F (25°C)

SOLUBILITY(IES): Miscible

PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D

AUTOIGNITION TEMPERATURE: N/D

DECOMPOSITION TEMPERATURE: N/D

VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: None Known

CHEMICAL STABILITY: Stable

POSSIBLE HAZARDOUS REACTIONS: None Known

CONDITIONS TO AVOID: None known

INCOMPATIBLE MATERIALS: Concentrated nitric & sulfuric acid mixtures, oxidizing materials, chloroform, alkalis, chlorine compounds, acids, plastics, rubber, coatings.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Acetone (67-64-1) LD₅₀ (Oral, Rabbit) 5340 mg/kg; LD₅₀ (Dermal, Rabbit) 20000 mg/kg
Toluene (108-88-3) LD₅₀ (Oral, Rat) 5580 mg/kg; LD₅₀ (Dermal, Rabbit) > 5000 mg/kg; LC₅₀ (Inhalation, Rat) > 28.1 mg/l/4h

ROUTES OF ENTRY: Ingestion, Inhalation, Skin

EYES: Redness, irritation, causes temporary corneal opacity

INGESTION: May cause nausea, diarrhea, vomiting, depending on the amount ingested.

INHALATION: Causes dizziness, anesthesia, possibly death if breathed directly.

SKIN: Causes severe irritation, localized defatting.

MEDICAL CONDITION AGGRAVATED: Pre-existing conditions of the skin, liver, kidneys, CNS and respiratory system.

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision

Skin: defatting and dermatitis

CHRONIC HEALTH HAZARDS: May cause damage to the following organs: kidneys, liver, respiratory, reproductive and central nervous systems.

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: CA Prop 65

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: Acetone (67-64-1) LC₅₀ (Trout, 96hr) 5540 mg/L; LC₅₀ (Bluegill, 96hr) 8300 mg/L; LC₅₀ (Fathead Minnow, 96hr) 7500 mg/L Isopropyl Alcohol (67-63-0) LC₅₀ (Fathead Minnow, 96 hrs) 9640 mg/L

PERSISTENCE AND DEGRADABILITY: This product is biodegradable.

BIOACCUMULATIVE POTENTIAL: This product is not expected to bioaccumulate.

MOBILITY IN SOIL: This product is mobile in soil.

OTHER ADVERSE EFFECTS: This material is toxic to aquatic life.

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SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

RCRA STATUS: Waste solvent likely considered U220 (Toluene), hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, flammable

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKING GROUP: N/A

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKING GROUP: N/A

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Acetone (67-64-1) Reportable Quantity = 5,000 lbs Toluene (108-88-3) Reportable Quantity = 1,000 lbs

SARA 311/312 HAZARD CATEGORIES: Acute Health, Fire, Pressure.

SARA 313 REPORTABLE INGREDIENTS: Toluene (108-88-3)

CLEAN WATER ACT: None

STATE REGULATIONS: Acetone (67-64-1) Connecticut hazardous material survey, Illinois toxic substances disclosure to employee act, Illinois chemical safety act, New York release reporting list, **RTK** - RI, PA, FL, MN, MA, NJ; Massachusetts spill list, New Jersey spill list, Louisiana spill reporting, California List of Hazardous Substances (8 CCR 339): Acetone TSCA 8(b) inventory: Acetone TSCA 4(a) final test rules: Acetone TSCA 8(a) IUR: Acetone **Prop 65:** This product can expose you to chemicals including Ethylbenzene(100-41-4) which is known to the State of California to cause cancer, birth defects, and other reproductive harm. For more information go to www.P65Warnings.ca.gov.

INTERNATIONAL REGULATIONS: Acetone (67-64-1) Australia, Japan, Korea, United Kingdom, Canada, WHMIS (Canada): CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC). p. 6; DSCL (EEC): R11- Highly flammable. R36- Irritating to eyes. S9- Keep container in a well-ventilated place. S16- Keep away from ignition sources. S26- In case of eye contact, rinse immediately with plenty of water and seek medical advice.

VOLATILE ORGANIC COMPOUNDS (VOC): 43%

NFPA HEALTH: 2

NFPA FLAMMABILITY: 3

NFPA REACTIVITY: 0

NFPA OTHER: None

HMIS HEALTH: 2

HMIS FLAMMABILITY: 3

HMIS REACTIVITY: 0

HMIS PROTECTION: B

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Andrew Bach

DATE PREPARED: 12/30/2013

REVISION DATE: 06/23/2020

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N/A = Not Applicable; N/D = Not Determined

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