

Safety Data Sheet

SECTION I - IDENTIFICATION

PRODUCT NAME: GEN PEN
PRODUCT CODE: 2565-A
PRODUCT USE: Penetrating lube
COMPANY NAME: BETA TECHNOLOGY, INC.
COMPANY ADDRESS: P.O Box 218686, Houston, TX 77218
COMPANY PHONE: 281-647-9700
EMERGENCY PHONE: 800-535-5053

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Aerosol: Category 1

Liquefied Gas

Eye Irritant: Category 2b

Aspiration Hazard: Category 1

HAZARD STATEMENT(S): DANGER: Extremely Flammable Aerosol Contains gas under pressure: May explode if heated. Causes eye irritation. May be fatal if swallowed and enters airways.

This product contains the following percentage of chemicals of unknown toxicity: 2%

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 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. 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. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Store locked up. 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
Isoparaffinic Hydrocarbon	64742-47-8	15-40%
Mineral Seal Oil	64741-44-2	15-40%
Petroleum Distillate, Solvent-Refined Heavy Paraffinic	64741-88-4	5-10%
Petroleum Distillate, Solvent-Refined Light Paraffinic	64741-89-5	1-5%
Mineral Spirits	64475-85-0	1-5%
Ethyl Acetate	141-78-6	3-7%
Propane / n-Butane	68476-86-8	10-30%

SECTION IV - FIRST AID MEASURES

EYES: Immediately flush with water for 15 - 20 minutes while holding eyelids open. Seek medical attention if irritation persists.

INGESTION: If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting.

INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration. Seek immediate medical attention.

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: Eye: stinging, tearing, redness

Oral: Aspiration risk

Skin: Prolonged or repeated contact may dry skin

CHRONIC HEALTH HAZARDS: None known

NOTE TO PHYSICIAN: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

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SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, foam, or Carbon Dioxide (CO₂).

UNSUITABLE EXTINGUISHING MEDIA: Water spray/stream.

SPECIAL FIRE FIGHTING PROCEDURES: Wear SCBA in fire situations.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon

SECTION VI – ACCIDENTAL RELEASE MEASURES

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

SPILL: Absorb spill with non-combustible material such as vermiculite, sand or earth.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations.

RCRA STATUS: Waste solvent likely considered F003, Flammable, Non-halogenated solvent, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

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

OTHER PRECAUTIONS: Keep out of the reach of children.

INCOMPATIBILITY: Strong oxidizing agents. Strong reducing agents.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Isoparaffinic Hydrocarbon	5 mg/m ³	5 mg/m ³
Mineral Seal Oil	5 mg/m ³	5 mg/m ³
Petroleum Distillate, Solvent-Refined Heavy Paraffinic	Not Established	Not Established
Petroleum Distillate, Solvent-Refined Light Paraffinic	Not Established	Not Established
Mineral Spirits	500 ppm	300 ppm
Ethyl Acetate	400 ppm	400 ppm
Propane / n-Butane	1000 ppm	1000 ppm

ENGINEERING CONTROLS / VENTILATION: General ventilation adequate.

RESPIRATORY PROTECTION: Not required with adequate ventilation

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses

ADDITIONAL MEASURES: Wash hands thoroughly after handling.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Brown Aerosol Spray

ODOR: Petroleum solvent odor

ODOR THRESHOLD: N/D

BOILING POINT: > 180°F (82°C)

FREEZING POINT: N/D

FLAMMABILITY: Extremely Flammable Aerosol

FLASH POINT: > 110°F (43°C)

AUTOIGNITION TEMPERATURE: N/D

LOWER FLAMMABILITY LIMIT: N/D

UPPER FLAMMABILITY LIMIT: N/D

VAPOR PRESSURE (mm Hg): 30 @ 77°F (25°C)

VAPOR DENSITY (AIR=1): > 1

EVAPORATION RATE: < 1

SPECIFIC GRAVITY (H₂O=1): 0.83 @ 77°F (25°C)

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pH: N/A
SOLIDS (%): N/D
SOLUBILITY IN WATER: 0%
PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D
VOLATILITY INCLUDING WATER (%): 22%
VOLATILE ORGANIC COMPOUNDS (VOC): 21%
DIELECTRIC STRENGTH (Volts): N/D
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY DATA

REACTIVITY: None Known
CHEMICAL STABILITY: Stable
CONDITIONS TO AVOID: Temperatures greater than 122°F and sources of ignition.
INCOMPATIBILITY: Strong oxidizing agents. Strong reducing agents.
HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Oxides of carbon
POSSIBLE HAZARDOUS REACTIONS: None Known

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Isoparaffinic Hydrocarbon (64742-47-8)** LD₅₀ (Oral, Rat) 5 g/kg; LD₅₀ (Dermal, Rabbit) 2 g/kg; LC₅₀ (Rat, 4hr) 5 mg/L **Ethyl Acetate (141-78-6)** LD₅₀ (Oral, Rat) 5620 mg/kg; LD₅₀ (Oral, Rabbit) 4935 mg/kg; LC₅₀ (Rat, 6hrs) 16,000 ppm **Propane/n-Butane (68476-86-8)** LC₅₀ (Inhalation, Rat, 4hr) 685 mg/m³

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: May cause irritation, redness.

INGESTION: May cause gastrointestinal irritation, nausea, diarrhea, vomiting, and abdominal cramps.

INHALATION: May cause irritation to the respiratory tract, dizziness, headaches, drowsiness, unconsciousness.

SKIN: May cause irritation, localized defatting, dermatitis, with prolonged or repeated contact.

MEDICAL CONDITION AGGRAVATED: May aggravate pre-existing medical conditions.

ACUTE HEALTH HAZARDS: Eye: stinging, tearing, redness

Oral: Aspiration risk

Skin: Prolonged or repeated contact may dry skin

CHRONIC HEALTH HAZARDS: None known

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: **Isoparaffinic Hydrocarbon (64742-47-8)** Not expected to be harmful or demonstrate chronic toxicity toward aquatic organisms. Expected to be readily biodegradable. Do not contaminate water when disposing of equipment washwaters. **Ethyl Acetate (141-78-6)** LC₅₀ (Fathead Minnow, 96hrs) 220 mg/L; (Indian Catfish, 96hrs) 212.5 ppm

BIODEGRADABILITY: Component or components of this product are not biodegradable.

BIOACCUMULATION: This product is not expected to bioaccumulate.

SOIL MOBILITY: This product is mobile in soil.

OTHER ECOLOGICAL HAZARDS: None Known

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations.

RCRA STATUS: Waste solvent likely considered F003, Flammable, Non-halogenated solvent, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKAGING GROUP: N/A

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AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Ethyl Acetate (141-78-6) Reportable
Quantity = 5,000 lbs

SARA 311/312 HAZARD CATEGORIES: Fire Hazard

SARA 313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: This product contains no known chemicals regulated by California's proposition 65.

INTERNATIONAL REGULATIONS: None known

NFPA HEALTH: 1

HMIS HEALTH: 1

NFPA FLAMMABILITY: 3

HMIS FLAMMABILITY: 3

NFPA REACTIVITY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: A

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Jonathon Jarvis

DATE PREPARED: 12/31/2013

REVISION DATE: 11/19/2014

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

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