

Safety Data Sheet

5 in 1

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: 5 in 1
PRODUCT CODE: 533000010-20AR
RECOMMENDED USE: Penetrating lube
RESTRICTIONS ON USE: None known.
COMPANY NAME: Brodi Specialty Products
COMPANY ADDRESS: 3175 14th Avenue, Unit #1, Markham, ON L3R0H1
COMPANY PHONE: 905-475-6084
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

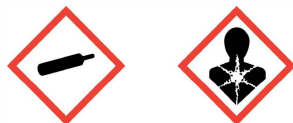
CLASSIFICATION: Gases Under Pressure: Dissolved Gas
Reproductive Toxicity: Category 2
Aspiration Hazard: Category 1

HAZARD STATEMENT(S): DANGER: Contains gas under pressure; may explode if heated. Suspected of damaging fertility or the unborn child. May be fatal if swallowed and enters airways.

This product contains the following percentage of chemicals of unknown toxicity: N/A

PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye protection. If exposed or concerned: Get medical advice or attention. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Dispose of contents and container in accordance with local, state, and federal regulations.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Distillates (petroleum), hydrotreated light	64742-47-8	30-60%
White Mineral Oil	8042-47-5	30-60%
Octamethylcyclotetrasiloxane	556-67-2	1-5%
Carbon Dioxide	124-38-9	1-5%

SECTION IV - FIRST AID MEASURES

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: Rinse mouth out with water. Do not induce vomiting unless directed by medical authority. Keep head below hips if vomiting occurs. Seek immediate medical attention. Aspiration hazard. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing administer artificial respiration. If breathing is difficult give oxygen. Consult a physician.

SKIN: Remove contaminated clothes. Wash skin thoroughly with soap and water for 15 minutes. Seek medical attention if irritation develops. Wash contaminated clothing before reuse.

ACUTE HEALTH HAZARDS: Contact with eyes may cause irritation, redness, tearing. Prolonged contact with skin may cause irritation. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

CHRONIC HEALTH HAZARDS: None known.

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NOTE TO PHYSICIAN: Treatment of overexposure should be directed toward the control of symptoms and the clinical condition. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION V – FIRE-FIGHTING MEASURES

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

UNSUITABLE EXTINGUISHING MEDIA: Water spray/stream.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and NIOSH approved SCBA with full facepiece operated in positive pressure or pressure demand. Use water mist to keep material cool in fire situations.

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

SECTION VI – ACCIDENTAL RELEASE MEASURES

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

SPILL: Eliminate all sources of ignition. Clean up using rag or use some non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains, and natural waterways. Place waste in proper containers for disposal.

WASTE DISPOSAL: Dispose of contents in accordance with federal, state, and local regulations. Do not dump in sewers.

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

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Keep away from heat, open flames, or other sources of ignition. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Store in a cool, dry area. Do not use or store with strong oxidizers. 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. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

INCOMPATIBILITY: Strong oxidizing agents, strong reducing agents, some plastics.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Distillates (petroleum), hydrotreated light	Not Established	Not Established
White Mineral Oil	5 mg/m3 (oil mist)	10 mg/m3
Octamethylcyclotetrasiloxane	Not Established	Not Established
Carbon Dioxide	5000 ppm	5000 ppm

ENGINEERING CONTROLS / VENTILATION: General ventilation adequate.

RESPIRATORY PROTECTION: Not required with adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses and chemical resistant gloves.

ADDITIONAL MEASURES: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to hazy amber spray

ODOR: Acetate odor

ODOR THRESHOLD: N/D

pH: N/A

MELTING POINT/FREEZING POINT: N/D

INITIAL BOILING POINT AND BOILING RANGE: N/D

FLASH POINT: >200 °F (93 °C)

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EVAPORATION RATE: N/D

FLAMMABILITY(solid/gas): Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200)

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): Not Established

VAPOR DENSITY (AIR=1): N/D

RELATIVE DENSITY (H₂O=1): 0.80 - 0.85 @ 77 °F (25 °C)

SOLUBILITY(IES): Non-soluble in water.

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: Temperatures greater than 122 °F and sources of ignition. Avoid incompatibles.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong reducing agents, some plastics.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, various hydrocarbons.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Distillates (petroleum), hydrotreated light** (64742-47-8): LD₅₀ (Oral, Rat) >5000 mg/kg;

LD₅₀ (Dermal, Rabbit) >2000 mg/kg. **White Mineral Oil** (8042-47-5): LD₅₀ (Oral, Rat) >5000mg/kg; LD₅₀ (Dermal) >2000

mg/kg; LC₅₀ (Inhalation Dust/Mist, Rat, 4h) >5 g/L. **Octamethylcyclotetrasiloxane** (556-67-2): LD₅₀ (Oral, Rat) 1540 mg/kg;

LD₅₀ (Dermal, Rabbit) 0.8 mg/kg; LC₅₀ (Inhalation, Rat, 4h) 36 g/m³.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: May cause burning, irritation, redness, tearing

INGESTION: May cause gastrointestinal irritation, nausea, diarrhea, vomiting, aspiration hazard.

INHALATION: May cause dizziness. Excessive or prolonged exposure may cause unconsciousness.

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

MEDICAL CONDITION AGGRAVATED: None known.

ACUTE HEALTH HAZARDS: Contact with eyes may cause irritation, redness, tearing. Prolonged contact with skin may cause irritation. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

CHRONIC HEALTH HAZARDS: None known.

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

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: Avoid release to the environment. **Distillates (petroleum), hydrotreated light** (64742-47-8): LC₅₀ (Daphnia, 48h)

>1000 mg/L; EC₅₀ (Algae, 72h) >1000 mg/L. **White Mineral Oil** (8042-47-5): LC₅₀ (*Oncorhynchus mykiss*, 96h) 5000 mg/L;

EC₅₀ (*Daphnia magna*, 48h) 1000 mg/L.

PERSISTENCE AND DEGRADABILITY: This product is biodegradable.

BIOACCUMULATIVE POTENTIAL: No additional information available.

MOBILITY IN SOIL: N/D

OTHER ADVERSE EFFECTS: None known.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of contents in accordance with federal, state, and local regulations. Do not dump in sewers.

RCRA STATUS: Waste likely considered 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:** 2.2**UN/NA NUMBER:** UN 1950**PACKING GROUP:** N/A**AIR SHIPMENT****PROPER SHIPPING NAME:** Aerosols**HAZARD CLASS/DIVISION:** 2.2**UN/NA NUMBER:** UN 1950**PACKING GROUP:** N/A**SHIPPING BY WATER:****VESSEL (IMO/IMDG)****PROPER SHIPPING NAME:** Aerosols**HAZARD CLASS/DIVISION:** 2.2**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):** None.**SARA 311/312 HAZARD CATEGORIES:** Gas under pressure. Reproductive toxicity. Aspiration hazard.**SARA 313 REPORTABLE INGREDIENTS:** This product does not contain any chemical components with known CAS numbers that exceed the threshold (*de minimis*) reporting levels established by SARA Title III, Section 313.**STATE REGULATIONS: California Proposition 65:** This product contains no known chemicals regulated by California Proposition 65.**INTERNATIONAL REGULATIONS:** Listed or exempt from listing/notification on the following chemical inventories: Domestic Substances List (DSL, Canada).**VOLATILE ORGANIC COMPOUNDS (VOC):** <1%**NFPA HEALTH:** 1**NFPA FLAMMABILITY:** 1**NFPA REACTIVITY:** 0**NFPA OTHER:** None**HMIS HEALTH:** 1**HMIS FLAMMABILITY:** 1**HMIS REACTIVITY:** 0**HMIS PROTECTION:** B**SECTION XVI - OTHER INFORMATION****PREPARATION BY:** Roberto Cerón**DATE PREPARED:** 12/30/2013**REVISION DATE:** 08/03/2021

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

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