Byrna Max Products

SAFETY DATA SHEET

DATE OF PREPARATION: March 17, 2022 REVISION 2: September 28, 2026. Revision note: supplier identification added; carrier solvent identified; carcinogenicity classification conformed throughout; TSCA section 6 notification for perchloroethylene added to Sections 1 and 15; Proposition 65 warning conformed; trichloroethylene statement added.

EMERGENCY TELEPHONE #: (954) 565-8475 AFTER HOURS 800-424-9300

MANUFACTURED BY: Shamrock Filling LLC, 1922 26th Street NE, Canton, Ohio 44705, telephone (440) 570-1441. MANUFACTURED FOR: Byrna Technologies Inc., 100 Burtt Road, Suite 115, Andover, Massachusetts 01810, (978) 868-4167.

SECTION 1 PRODUCT IDENTIFICATION

Product Name: Byrna Bad Guy Repellent (BGR) MAX, CS/OC aerosol defense spray, various sizes

Product SKU / Number: BGR01112, BGR01108, BGR01104 (all sizes of Byrna BGR MAX products)

Product Class: Subject Control Spray Self Defense Spray, Aerosol

D.O.T. Shipping Class: ORM-D Consumer Commodity, Aerosol Non-Flammable 2.2 UN1950 Ltd Qty

Recommended use: Personal defense spray for use by consumers and by law-enforcement, security and other commercial users.

Restrictions on use (TSCA section 6 notification, 40 CFR 751.613): This product contains perchloroethylene (tetrachloroethylene, CAS No. 127-18-4) at a concentration equal to or greater than 0.1% by weight and is subject to 40 CFR part 751, subpart G. After December 8, 2026 this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers for any use. After March 8, 2027, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of PCE equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant/intermediate; (2) Processing into formulation, mixture or reaction product; (3) Processing by repackaging; (4) Recycling; (5) Industrial and commercial use as solvent in open-top batch vapor degreasing; (6) Industrial and commercial use as solvent in closed-loop batch vapor degreasing; (7) Industrial and commercial use in maskant for chemical milling; (8) Industrial and commercial use as a processing aid in catalyst regeneration in petrochemical manufacturing; (9) Industrial and commercial use as a processing aid in sectors other than petrochemical manufacturing; (10) Industrial and commercial use as solvent for cold cleaning of tanker vessels; (11) Industrial and commercial use as energized electrical cleaner; (12) Industrial and commercial use in laboratory chemicals; (13) Industrial and commercial use in solvent-based adhesives and sealants; (14) Industrial and commercial use in dry cleaning in 3rd generation machines until December 20, 2027; (15) Industrial and commercial use in all dry cleaning and related spot cleaning until December 19, 2034; (16) Export; and (17) Disposal.

SECTION 2 HAZARD IDENTIFICATION

EYE May cause pain. May cause slight transient (temporary) eye irritation, symptoms include stinging, tearing, redness and swelling of eyes.

SKIN Short single exposure may cause skin irritation. Repeated contact may cause drying or flaking. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INHALATION: Irritant, stimulation of facial nerves causes feeling of restricted airway. No danger exists for asphyxiation. Remove persons to fresh air.

INGESTION Single dose oral toxicity is considered to be extremely low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury.

Acute Severe but short term. Chronic Lasting a long time or recurring. Irritant A Chemical which is not corrosive but which causes a reversible inflammatory effect on living tissue by chemical reaction. PEL Permissible exposure level – the exposure limit which shall not be exceeded as an eight hour time weighted average.

CS/OC is a strong irritant effecting skin, eyes nose and breathing. It is a non-persistent acute (short term) exposure which can be relieved with running water and soap for cleanup of the oleoresin capsicum. The carrier solvent, perchloroethylene (tetrachloroethylene, CAS No. 127-18-4), is classified as a suspected human carcinogen (IARC Group 2A; NTP: reasonably anticipated to be a human carcinogen; ACGIH A3) on chronic exposure. This product does not contain trichloroethylene (CAS No. 79-01-6) at or above 0.1% by weight.

GHS HAZARD CLASSIFICATION (29 CFR 1910.1200): Gases under pressure (compressed gas); Serious eye damage/eye irritation, Category 2; Specific target organ toxicity, single exposure, Category 3 (respiratory tract irritation, narcotic effects); Carcinogenicity, Category 2

NON FLAMMABLE COMPRESSED GAS UNDER PRESSURE

WARNING: HANDLE WITH CARE

GHS-US labeling. Hazard pictograms (GHS-US): GHS04, GHS07, GHS08

Signal word (GHS-US): Warning

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H351 - Suspected of causing cancer

Precautionary statements (GHS-US): P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking; P233 - Keep container tightly closed; P264 - Wash exposed skin thoroughly after handling; P280 - Wear eye protection, face protection, protective clothing, protective gloves; P312 - Call a POISON CENTER or doctor/physician if you feel unwell; P337+P313 - If eye irritation persists: Get medical advice/attention; P370+P378 - In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2) to extinguish; P501 - Dispose of contents/container to comply with local, state and federal regulations; P235 - Keep cool. If inhaled: Remove person to fresh air and keep comfortable for breathing. P201 - Obtain special instructions before use; P202 - Do not handle until all safety precautions have been read and understood; P308+P313 - If exposed or concerned: Get medical advice/attention; P405 - Store locked up.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT / CAS No. / PERCENT BY WEIGHT / OCCUPATIONAL EXPOSURE LIMITS (TLV, PEL) / VAPOR PRESSURE

PERCHLOROETHYLENE (Tetrachloroethylene), CAS No. 127-18-4, ~50% by weight (carrier solvent). ACGIH TLV 25 ppm TWA, 100 ppm STEL; OSHA PEL 100 ppm TWA, 200 ppm ceiling. Vapor pressure 17.1 mm Hg at 25 °C. Other carrier components: proprietary blend; specific identity withheld as a trade secret under 29 CFR 1910.1200(i); none is a carcinogen, mutagen or reproductive toxicant and none is trichloroethylene.

TRICHLOROETHYLENE, CAS No. 79-01-6: not present at or above 0.1% by weight.

PROPELLANT DYMEL 134a cas # 811-97-2 1000PPM 1000PPM 86

ACTIVE INGREDIENTS

ORTHOCHLOROBENZALMALONONITRILE (CS), CAS No. 2698-41-1, 0.05%

OLEORESIN CAPSICUM 2 MILLION SHU, CAS No. 8023-77-6, 10]%, Not Established / Not Known

SECTION 4 FIRST AID MEASURES

PRIMARY ROUTE(S) OF ENTRY: Dermal, Inhalation, Eyes. EMERGENCY AND FIRST AID PROCEDURE: EYES: Flush eyes with large quantities of water to speed recovery. Face subject into wind or forced air source such as fans or air conditioning outlet. Wash face with mild soap. SKIN CONTACT: Remove contaminated clothing. Wash affected area with soap and water to avoid transfer to more sensitive areas. Burning sensation with skin contact in most areas. Use no creams or salves. Persons with preexisting skin disorders may be more susceptible to the effects of this agent. INHALATION: Irritant stimulation of facial nerves causes feeling of restricted airway. No danger exists for asphyxiation. Move individual away from exposure to fresh air. EYE EFFECTS: This product is an eye irritant. Tearing and redness may occur. This product has been thoroughly tested by FDA approved Labs and has been found to have minor non persistent eye irritation, to be non toxic, and not to cause dermatitis.

SECTION 5 FIRE FIGHTING MEASURES

Flammability Classification OSHA: Non Flammable. Shipping Classification D.O.T.: ORM-D. Flash Point: Not Determined, exceeds 300°F. Flammable Levels in Air: Lower: N/A Upper: N/A. Extinguishing Media: Foam, Water Fog, CO2. Unusual Fire and Explosion Hazards: Do not expose to heat or flame or store above 120°F as high internal pressures may cause leaking. Special Fire Fighting Procedures: Suitable extinguishing media, dry chemical, carbon dioxide, water spray. Full protective equipment including self contained breathing apparatus should be used. Fog nozzles should be used to cool closed containers to prevent pressure buildup. Move undamaged containers from fire area if accomplished without risk. Precaution for Fire Fighting: No flash point. This product contains halogens which inhibit flashing until the solvent has evaporated away. Thermal decomposition of perchloroethylene may produce hydrogen chloride and phosgene. Use water spray to cool containers until fire is out.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapors. Confine spill with inert absorbent. Wear protective equipment during clean up. WASTE DISPOSAL: Incinerate in an approved incinerator or dispose of in accordance with Local, State and Federal Regulations. Personal Precautions: Persons not wearing protective equipment should be excluded from the area of the spill until clean up is completed. Methods for Clean Up: Keep in suitable containers for disposal; soak up spill with absorbent pads, absorbent socks or loose absorbent. Comply with all applicable federal, state and local regulations.

SECTION 7 HANDLING AND STORAGE

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved Chemical/Mechanical type filter system to remove a combination of particles, gas and vapor. Use air line if necessary. VENTILATION: Use adequate ventilation in volume and pattern to keep LEL and TLVs in Section 8 below recommended level. General mechanical ventilation should comply with OSHA 1910.94. PROTECTIVE GLOVES: Use rubber gloves. EYE PROTECTION: Safety

glasses or goggles with splash guards or side shields. OTHER PROTECTIVE EQUIPMENT: Prevent prolonged skin contact to contaminated clothing.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PERCHLOROETHYLENE (CAS No. 127-18-4): ACGIH TLV 25 ppm TWA, 100 ppm STEL; OSHA PEL 100 ppm TWA, 200 ppm ceiling, 300 ppm 5-minute peak in any 3 hours; NIOSH: carcinogen, minimize exposure. Other carrier components: proprietary blend (29 CFR 1910.1200(i)); no established exposure limits.

PROPELLANT DYMEL 134a CAS # 811-97-2 1000PPM 1000PPM 86 psi @ 70°F

ACTIVE INGREDIENTS: ORTHOCHLOROBENZALMALONONITRILE 0.05%, ACGIH TLV 0.05 ppm ceiling; OSHA PEL 0.05 ppm TWA; OLEORESIN CAPSICUM 2 MILLION SHU: Not Established / Not Known

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid and Non Flammable gas in an aerosol can. Boiling Range: -19°C (-15°F) for gas; 245°C (250.3°F) for liquid. Vapor Pressure: 86 PSI @ 25°C (77°F). Vapor Density: 3.0 (air=1) Heavier than air. Percentage Volatile by weight: 99%. Evaporation Rate: 1.7 (Butyl Acetate=1). Weight per gallon: >8 lbs. Specific Gravity: 1.1 @ 60°F. Appearance: Amber Liquid. Odor: Slight Pungent Odor; perchloroethylene has an ether-like odor. Lower explosive Limit: No Data Available. Upper explosive Limit: No Data Available.

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable. HAZARDOUS POLYMERIZATION: Will Not Occur. CONDITIONS TO AVOID: Heat, open flames, ultraviolet light, contact with hot metal surfaces. INCOMPATIBILITY (MATERIALS TO AVOID): Strong Acids, Alkalines and Oxidizers, reactive metals (aluminum, magnesium, zinc), strong bases. HAZARDOUS DECOMPOSITION PRODUCTS: hydrogen chloride, phosgene, chlorine on thermal decomposition.

SECTION 11 TOXICOLOGICAL INFORMATION

EYE EFFECTS: This product is an eye irritant. Tearing and redness may occur. This product has been thoroughly tested by FDA approved Labs and has been found to have minor non persistent eye irritation, to be non toxic, and not to cause dermatitis.

CARCINOGENICITY: Perchloroethylene (CAS No. 127-18-4): IARC Group 2A (probably carcinogenic to humans); NTP Report on Carcinogens: reasonably anticipated to be a human carcinogen; ACGIH A3 (confirmed animal carcinogen with unknown relevance to humans); not listed by OSHA as a carcinogen. No other component is listed by IARC, NTP, ACGIH or OSHA as a carcinogen. Trichloroethylene (CAS No. 79-01-6) is not present at or above 0.1% by weight.

SPECIFIC TARGET ORGAN TOXICITY (single exposure): Perchloroethylene vapor may cause drowsiness, dizziness and respiratory tract irritation.

EFFECTS OF OVEREXPOSURE: Inhalation of vapors may cause headache, nausea, vomiting, dizziness, drowsiness, irritation of the respiratory tract, and loss of consciousness. Liquid may be irritating to skin and eyes. Prolonged skin contact may result in dermatitis. Eye contact may result in temporary corneal damage. Ingestion may cause nausea, vomiting, headaches, dizziness, gastrointestinal irritation. Chronic effects of overexposure may include damage to kidneys, liver, lungs, blood, or central nervous system.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity effects. Toxicity to Fish: NOEC >0.117 mg/l, exposure time 96 h, species Cyprinus carpio (Carp). Toxicity to daphnia and other aquatic invertebrates: EC50 not determined, exposure time 48 h, species Daphnia magna (Water flea). Toxicity to algae: growth inhibition, NOEC >170 mg/l, exposure time 72 h. Biodegradability: aerobic; not readily biodegradable. This product neither contains, nor was manufactured with, a Class I or Class II ozone-depleting substance as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A and B). An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life; perchloroethylene is toxic to aquatic life with long lasting effects (H411).

SECTION 13 DISPOSAL CONSIDERATIONS

DISPOSAL: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. The information presented here pertains only to the product as shipped in its intended condition as described in Section 3. Unused product containing perchloroethylene may be a listed hazardous waste under RCRA (U210; spent solvent F001/F002) and must be characterized by the generator. FOR UNUSED AND UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted recycler, reclaimer, incinerator or other thermal destruction device.

SECTION 14 TRANSPORTATION INFORMATION

UN1950 Aerosols, Non Flammable, Class 2.2, Limited Quantity / ORM-D Consumer Commodity as applicable (49 CFR 172.101, 173.306).

SECTION 15 REGULATORY INFORMATION

(Not meant to be all-inclusive; selected regulations represented.) NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another. The following specific information is made for the purpose of complying with federal, state or provincial, and local laws.

TSCA: All components are listed on, or exempt from listing on, the TSCA Chemical Substance Inventory.

TSCA section 6(a), 40 CFR part 751, subpart G (perchloroethylene). This product contains perchloroethylene at a concentration equal to or greater than 0.1% by weight. Notification under 40 CFR 751.613: After December 8, 2026 this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers for any use. After March 8, 2027, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of PCE equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant/intermediate; (2) Processing into formulation, mixture or reaction product; (3) Processing by repackaging; (4) Recycling; (5) Industrial and commercial use as solvent in open-top batch vapor degreasing; (6) Industrial and commercial use as solvent in closed-loop batch vapor degreasing; (7) Industrial and commercial use in maskant for chemical milling; (8) Industrial and commercial use as a processing aid in catalyst regeneration in petrochemical manufacturing; (9) Industrial and commercial use as a processing aid in sectors other than petrochemical manufacturing; (10) Industrial and commercial use as solvent for cold cleaning of tanker vessels; (11) Industrial and commercial use as energized electrical cleaner; (12) Industrial and commercial use in laboratory chemicals; (13) Industrial and commercial use in solvent-based adhesives and sealants; (14) Industrial and commercial use in dry cleaning in 3rd generation machines until December 20, 2027; (15) Industrial and commercial use in all dry cleaning and related spot cleaning until December 19, 2034; (16) Export; and (17) Disposal.

TSCA section 6(a), 40 CFR part 751, subpart D (trichloroethylene): not applicable. This product does not contain trichloroethylene (CAS No. 79-01-6) at or above 0.1% by weight.

Clean Air Act, 40 CFR part 84 (AIM Act): the HFC-134a propellant is permitted in this product; defense sprays are excluded from the HFC restrictions under 40 CFR 84.54.

CERCLA / EPCRA: Perchloroethylene is a CERCLA hazardous substance (reportable quantity 100 lb) and is listed under EPCRA section 313 (40 CFR 372.65). SARA 311/312 hazard categories: acute health hazard, chronic health hazard, gas under pressure.

State Right-to-Know: Perchloroethylene is listed on the New Jersey, Pennsylvania and Massachusetts hazardous substance lists.

California Proposition 65: WARNING: This product can expose you to chemicals including perchloroethylene (tetrachloroethylene), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16 OTHER INFORMATION

Date of preparation: March 17, 2022. Revision 2: September 28, 2026. Prepared by Shamrock Filling LLC. This revision supersedes all prior versions, including the version dated March 22, 2022, identified as "BYRNA MAX Aerosols various sizes." The information contained herein is based on data available to Shamrock Filling LLC and is believed to be accurate as of the revision date.