

REFLEX PROTECT[®] TACTICAL

OC VAPOR AEROSOLS Safety Data Sheet

DATE OF PREPARATION: November 16, 2023

MANUFACTURING LOCATION: Canton, Ohio

EMERGENCY TELEPHONE:

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SECTION 1 PRODUCT IDENTIFICATION

Product Name: CS Stream Spray

Product Number: Various Sizes

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

SECTION 2 HAZARDOUS 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 along 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 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. One of the solvents used is a suspected carcinogen in laboratory testing with chronic exposure. No health risk has been found from acute exposure

NON FLAMMABLE COMPRESSED GAS UNDER PRESSURE

WARNING: HANDLE WITH CARE



GHS04



GHS07

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS04

GHS07

Signal word (GHS-US) : Danger

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

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

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE
		TLV	PEL	
PROPRIETARY BLEND CARRIER		103	145	17.1
2003 SPECIAL FORMULA 2K3				
TRADE SECRET: As defined in Hazard Communication				
Act 29 CFR 1910.1200 Para 1 (i) end Appendix D to CFR 1910.1200				
PROPELLANT Nitrogen CAS#7727-37-9		1000ppm	1000ppm	86
ACTIVE INGREDIENTS				
ORTHOCHLOROBENZALMALONONITRILE	.05		.05	

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. Remove contaminated clothing.

INHALATION: Irritant stimulation of facial nerves causes feeling of restricted airway. No danger exists for asphyxiation Remove persons to fresh air. Move individual away from exposure to fresh air.

SECTION 5 FIRE FIGHTING MEASURES

FIRE AND SAFETY EXPLOSION HAZARD DATA

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, CO ²
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. 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.

Other; 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 or particles, gas & vapor. Use air line if necessary.

VENTILATION: Use adequate ventilation in volume and pattern to keep LEL and TLV's 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

INGREDIENT	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE
		TLV	PEL	
PROPRIETARY BLEND CARRIER		103	145	
2016 SPECIAL FORMULA NF				
TRADE SECRET: As defined in Hazard Communication Act 29 CFR 1910.1200 Para 1 (i) end Appendix D to CFR 1910.1200				
PROPELLANT Nitrogen CAS#7727-37-9		1000ppm	1000ppm	
ACTIVE INGREDIENTS				
ORTHOCHLOROBENZALMALONONITRILE		.05	.05	N/A

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
Lower explosive Limit:	No Data Available
Upper explosive Limit:	No Data Available

SECTION 10 STABILITY REACTIVITY

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will Not Occur
CONDITIONS TO AVOID:	Heat, open flames.
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong Acids, Alkalies and Oxidizers.

SECTION 11 TOCICOLGICAL 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.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to Fish	NOEC:>.117 MG/1 Exposure time: 96 h Species: Cyprinus carpio (Carp)
Toxicity to daphnia and other aquatic invertebrates	ECO50:> 96 h Exposure time: 48 h Species: Daphnia magna (Water flea)
Toxicity to algae	Growth inhibition NOEC:> 170 MG/1 Exposure time: 72 h Species: Algae

Elimination Information (persistence and degradability)

Biodegradability	aerobic Result: Not readily biodegradable.
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Further Information on ecology

Regulation	40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone – CAA Section 602 Class 1 Substances Remarks This product neither contains, nor was manufactured with a Class 1 or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B) Additional ecological information An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life.
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SECTION 13 DISPOSAL CONSIDERATION

(See Section 15 for Regulatory information)

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 COMPANY HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OR PARTIES HANDLING OR USING THIS MATAERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION

2 (Composition/Information On Ingredients).

FOR UNUSED & 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

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; with federal, state or provincial and local laws. The following specific information is made for the purpose of complying with numerous federal state or provincial, and local laws and requisitions.

Warning this product contains a chemical known to the State of California to Cause Cancer