

Walther Pepper Cartridge
2.2014, 2.2016, 2.2017, 2.2023,
2.2050.1, 2.2050.4

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)
amended by 2015/830/EU

Safety Data Sheet

Made in the USA

Umarex/Walther Stream

May be used to comply with OSHA's Hazard Communication Standard,
29 CFR 1910. 1200(HCS). Standard must be reviewed for specific requirements.

Quick ID / Rev Date:
02.28.2022

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

1.1 Product identifiers

PRODUCT NAME: Umarex Walther Stream
SYNONYMS: Pepper spray, OC spray
MODEL #s: UM-MK-2-Stream, 2.2014; UM-MK-3.5-Stream, 2.2016; UM-52CFT1010, 2.2023; UM-MK-6-Stream, 2.2017; UM-MK-22-R; UM-10 (2.2050.1); UM-10-BULK

1.2 Relevant identified uses of the substance or mixture and uses advised against

PRODUCT USE: Handheld aerosol canister that sprays an irritating formula in the eyes, nose and mouth of a person threatening your personal safety.

1.3 Details of the supplier of the safety data sheet

Manufacturer's Name: UMAREX GmbH & Co. KG Website: <https://www.umarex.de>
Address: Donnerfeld 2 E-Mail: service@umarex.de
City, State, Zip: 59757 Arnsberg Phone: +49 2932 / 638 01
Informationszentrale gegen Vergiftungen
Zentrum für Kinderheilkunde, Universitätsklinikum Bonn
Venusberg-Campus 1 Geb. 30 „ELKI“
53127 Bonn Notruf: +49 228 192 40
Telefax: +49 228 287 332 78 oder +49 228 287 333 14

SECTION 2 - HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Eye irritation (Category 2A), H319
Skin irritation (Category 2), H315
Pressurized Container, H280
Specific target organ toxicity single exposure (Category 3), Respiratory system, H335

2.2 GHS Label Elements, including precautionary statements

Pictogram:



Signal Word: Warning

Hazard Statement(s)

H280 Contains gas under pressure; may explode if heated
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary Statement(s)

P102 Keep out of reach of children
P210 Keep away from heat / sparks / open flame / hot surfaces - NO SMOKING
P211 Do not spray on an open flame or other ignition source
P251 Pressurized container: Do NOT pierce or burn even after use
P302 + P352 IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present
P337 + P313 IF EYE IRRITATION PERSISTS: Get medical advice / attention
P410 Protect from sunlight
P412 Do NOT expose to temperatures exceeding 50°C / 122°F

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Material does not meet the criteria of a substance according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

3.2 Mixtures

Component	Classification	Concentration
Deionized Water CAS# 7732-18-5	N/A	50-55%
Ethanol CAS# 67-17-5; EC# 200-578-6	H225; H319	20-25%
Oleoresin Capsicum CAS# 8023-77-6	H315; H319; H334; H335	10%
Propane-1,2-diol CAS# 57-55-6	N/A	6-9%
Sorbitan monooleate, ethoxylated CAS# 9005-65-6	N/A	1-2%
2,2'-(2,5-thiophenediyl)bis(5-tert-butylbenzoxazole) CAS# 7128-64-5	N/A	1-2%
Nitrogen CAS#7727-37-9	N/A	<1%

Full text of H statements mentioned in this section is located in Section 16.

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SECTION 4 - FIRST AID MEASURES

4.1 Description of first aid measures

Emergency & First Aid Procedures:

Remove victim from contaminated area and if appropriate, remove contaminated clothing. Provide fresh air, irrigate with copious amounts of cool water. **Seek medical attention immediately if you have any pre-existing medical conditions or suffer from any adverse effects.**

Routes Of Entry	
1. Inhalation	Remove from contaminated area immediately. Provide fresh air. If breathing is difficult, seek immediate medical attention. If the victim is not breathing, administer CPR and seek immediate medical attention.
2. Eyes	Carefully remove & discard your contact lenses. Flush eyes with cool water for 15 minutes, or until relieved. Do not rub eyes. Get prompt medical attention.
3. Skin	Flush skin 15 to 20 minutes with soap and cold water, repeat as necessary. Do not rub, or use creams, salves or oils. Seek medical attention if irritation persists.
4. Ingestion	Unlikely route of entry. DO NOT INDUCE VOMITING. Rinse mouth with water. Ingest milk or water. Immediately call for medical help.

4.2 Most important symptoms and effects, both acute and delayed

The most important symptoms and effects are described in the labelling (Section 2.2) and/or in Section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5 - FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Halon, Carbon Dioxide, Dry Chemical or Water

5.2 Special hazards arising from substance or mixture

Smoke would be irritating to eyes and mucous membranes. Containers may burst in the heat of a fire.

5.3 Advice for firefighters

Wear respirator or self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation.

6.2 Environmental controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Wipe up small spills with absorbent material. With large spills, use respiratory equipment to avoid irritation and collect absorbent materials. If inside ventilate area and after absorbent process, wash area with soap and cold water. If outside stay upwind.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use only with adequate ventilation/personal protection.

7.2 Conditions for safe storage, including any incompatibilities

Store upright in a cool, dry area. Avoid direct light and heat.
DO NOT expose to temperatures over 120° F / 50° C.
DO NOT puncture or incinerate container.

Assure can is in a secure place to prevent accidental rupture.

7.3 Specific end use(s)

See section 1.2

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

This is not a Law Enforcement Product. It should not be used for Law Enforcement Training.

8.1 Control parameters

Components with workplace control parameters

Component	CAS-no.	Value	Control parameters	Basis
Ethanol	64-17-5	TWA	1000 ppm	US (ACGIH) 2017

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands after handling. Use adequate ventilation.

Respiratory Protection

Not normally required in well-ventilated areas, however, NIOSH approved respiratory protection may be required when the material is used in confined areas. Avoid overexposure for long periods in enclosed areas.

Hand protection

Use chemical resistant gloves appropriate to conditions of use is suggested. Wear chemical resistant gloves such as: Nitrile rubber; Latex

Eye Protection

Safety glasses with side shields. Exposure without protection in training environment is acceptable.

Skin and body protection

No special clothing/skin protection is recommended under normal conditions of anticipated use.

Hygiene measures

Avoid absorption of product on clothing. If absorbed in clothing, remove and wash clothes at once. Do not eat, drink, or smoke while handling product.

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SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties**
- | | |
|---|--------------------|
| a) Appearance | Form: liquid |
| | Colour: red-orange |
| b) Odour | Pungent |
| c) Odour threshold | No data available |
| d) pH | No data available |
| e) Melting point/freezing point | No data available |
| f) Initial boiling point and boiling range | 100° C (212° F) |
| g) Flash point | >106° C (228° F) |
| h) Evaporation rate | No data available |
| i) Flammability (solid, gas) | No data available |
| j) Upper/lower flammability or explosive limits | No data available |
| k) Vapour pressure | No data available |
| l) Vapour density | No data available |
| m) Relative density | ~1 @ 20° C |
| n) Water solubility | Soluble |
| o) Partition coefficient: n-octanol/water | No data available |
| p) Auto-ignition temperature | No data available |
| q) Decomposition | No data available |
| r) Viscosity | No data available |
| s) Explosive properties | No data available |
| t) Oxidising properties | No data available |
- 9.2 Other safety information**
No data available

SECTION 10 - STABILITY AND REACTIVITY

- 10.1 Reactivity**
No data available
- 10.2 Chemical stability**
Stable under recommended storage conditions
- 10.3 Possibility of hazardous reactions**
Not expected to occur.
- 10.4 Conditions to avoid**
High temperatures. Oxidising conditions.
- 10.5 Incompatible materials**
Strong oxidising agents, strong acids, alkalis
- 10.6 Hazardous decomposition products**
No data available

SECTION 11 - TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- Acute toxicity**
ACUTE INHALATION LC50: > 100.5 mg/L
- Skin corrosion/irritation**
Standard Draize Test: Skin, 500 mg Severity: Slightly Irritating
- Serious eye damage/irritation**
Standard Draize Test: Eye, 100 mg Severity: Moderately Irritating
- Respiratory or skin sensitization**
No data available
- Germ cell mutagenicity**
No data available
- Carcinogenicity**
No data available
- Reproductive toxicity**
No data available
- STOT-single exposure**
No data available
- STOT-repeated exposure**
No data available
- Aspiration hazard**
No data available

SECTION 12 - ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- | | |
|---|-------------------|
| Toxicity to fish | No data available |
| Toxicity to daphnia and other aquatic invertebrates | No data available |
| Toxicity to algae | No data available |
- 12.2 Persistence and degradability**
Biodegradability: No data available
- 12.3 Bioaccumulative potential**
Bioaccumulation: No data available

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12.4	Mobility in soil	No data available
12.5	Results of PBT and vPvB assessment	No data available
12.6	Other adverse effects	No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	
	Product	Dispose of waste in accordance with all federal, state, and local environmental regulations.
	Packaging	Evacuate contents in a safe, well ventilated area and dispose of container.

SECTION 14 - TRANSPORT INFORMATION

DOT HM-181 INFORMATION

	<u>GROUND</u>	<u>AIR</u>
Proper Shipping Name:	LTD. QTY	Aerosols, non-flammable
Hazard Class or Division:	none	2.2
Identification Number:	none	UN1950
Packaging Group:	none	none
Label(s) Required:	none	2.2

INTERNATIONAL TRANSPORTATION REGULATIONS

Regulations vary from country to country. Check regulations for your country.

	<u>GROUND</u>	<u>AIR</u>	<u>OCEAN</u>
Proper Shipping Name:	LTD. QTY	Aerosols, non-flammable	Aerosols, non-flammable
Hazard Class or Division:	none	2.2	2.2
Identification Number:	none	UN1950	UN1950
Packaging Group:	none	none	none
Label(s) Required:	none	2.2	2.2 LTD. QTY

SECTION 15 - REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT:	This product is in compliance with the U.S. Toxic Substances Control Act (TSCA) inventory requirements.		
SARA TITLE III, SECTION 313:	Not Listed		
CLEAN AIR ACT (CAA):	Not Listed		
CLEAN WATER ACT (CWA):	Not Listed		
CALIFORNIA PROPOSITION 65:	Not Listed		
MASSACHUSETTS RIGHT TO KNOW:	CAS#	64-17-5	
PENNSYLVANIA RIGHT TO KNOW:	CAS#	64-17-5	57-55-6 9005-65-6
NEW JERSEY RIGHT TO KNOW:	CAS#	64-17-5	57-55-6 9005-65-6
CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEMS (WHMIS):	Not Listed		

SECTION 16 - OTHER INFORMATION

Full text of H-statements from sections 2 and 3

H280	Contains gas under pressure; may explode if heated
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

HMS Ratings: Health: 2 Fire: 1 Reactivity: 0

Signs & Symptoms Of Exposure: Ingredients cause irritation through all routes of entry.

EYE: Liquid or vapors may cause redness, burning, tearing, swelling and/or pain.

SKIN: Frequent or repeated contact with skin may cause burning, redness or skin irritation and dermatitis.

INGESTION: Ingestion may cause irritation to the mouth, throat and stomach, as well as nausea, vomiting, and/or diarrhea.

INHALATION: May cause irritation of the respiratory tract as coughing, sneezing, gagging, chest tightness and irritation to the throat and lungs.

MEDICAL CONDITIONS AGGRAVATED: May cause more severe, temporary, effects on those persons who are asthmatics or suffer from emphysema.

CARCINOGEN DATA: None of the Ingredients in this product are listed with OSHA, IARC or NTP as carcinogenic.

Format and Preparation Complies with ANSI Z400.1-1993

DISCLAIMER: This brief provides a general overview of the safety data sheet requirements in the Hazard Communication Standard (see 29 CFR 1910.1200(g) and Appendix D of 29 CFR 1910.1200). It does not alter or determine compliance responsibilities in the standard or the Occupational Safety and Health Act of 1970. Since interpretations and enforcement policy may change over time, the reader should consult current OSHA interpretations and decisions by the Occupational Safety and Health Review Commission and the courts for additional guidance on OSHA compliance requirements. Please note that states with OSHA-approved state plans may have additional requirements for chemical safety data sheets, outside of those outlined above. For more information on those standards, please visit: <http://www.osha.gov/dccsp/osp/statestandards.html>.