10% PEPPER KEYGUARD

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 08/01/2008 Revision date: 04/13/2015 Supersedes: 08/01/2008 Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name	:	OC Personal Protection Spray
Product name	:	10% PEPPER KEYGUARD
Product code	:	80344, 80365, 80366
SDS ID	:	2015003

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

Self defense device

1.3. Details of the supplier of the safety data sheet

Mace Personal Defense & Security, Inc.
4400 Carnegie Avenue
Cleveland, OH, 44103
Tel: 440-424-5321

1.4. Emergency telephone number

Emergency number	:	CHEMTREC (800) 424-9300 Outside USA: +1 703-527-3888 24 hours Customer ID: CCN13561

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Compressed gas	H280
Skin Irrit. 2	H315
Eye Irrit. 2A	H319

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :

GHS04 GHS07

Signal word (GHS-US)	:	Warning
Hazard statements (GHS-US)	:	H280 - Contains gas under pressure; may explode if heated H315 - Causes skin irritation H319 - Causes serious eye irritation
Precautionary statements (GHS-US)	:	P264 - Wash hands, forearms and face thoroughly after handling P280 - Wear eye protection, protective gloves P302+P352 - If on skin: Wash with plenty of water P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P321 - Specific treatment (see First aid measures on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: get medical advice/attention P362 - Take off contaminated clothing and wash before reuse P410+P403 - Protect from sunlight. Store in a well-ventilated place

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Resins, oleo-, capsicum	(CAS No) 8023-77-6	10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
1,1,1,2-Tetrafluoroethane – Propellant	(CAS No) 811-97-2		Compressed gas, H280

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. Do not apply salves or creams to affected area. If skin irritation persists, seek medical attention.

First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Contact the Poison Control Centre at 1-800-222-1222.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Shortness of breath. May cause respiratory irritation.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : May cause irritation to mouth, throat and stomach upon direct contact.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Non known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. DO NOT fight fire when fire reaches explosives. Evacuate area.

Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No open flames. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel. For further information refer to section 8 : Exposure-controls/personal protection.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

No additional information available.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not spray on an open flame or other ignition source. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash hands thoroughly after handling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work place.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide adequate ventilation.

Storage conditions : Keep only in the original container in a cool, well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Incompatible products : No additional information available.

Incompatible condition : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Resins, oleo-, capsicum (8023-77-6)	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate ventilation.

Personal protective equipment : Protective goggles. Gloves. Protective clothing.

Hand protection : Wear protective oil and chemical gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation wear appropriate respiratory protection.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Aerosol mist

Color : Light amber

Odor : Pungent, highly irritating

Odor threshold : No data available

pH	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	109 °C (228 °F)
Flash point	:	100 °C (212 °F) – Closed cup
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	60 psi (at 21 °C /70 °F)
Relative vapor density at 20 °C	:	4.2 (Air=1)
Relative density	:	1.15 (water=1)
Solubility	:	Completely soluble in water
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition generates : Carbon dioxide, carbon monoxide and hydrocarbons.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.
Contains gas under pressure; may explode if heated.

10.3. Possibility of hazardous reactions

Hazardous polymerization may occur if exposure to fire conditions

10.4. Conditions to avoid

Direct sunlight. Extremely high temperatures. Heat. Open flame. Overheating.

10.5. Incompatible materials

No additional inforation available.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide, hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Resins, oleo-, capsicum (8023-77-6)	
LC50 inhalation rat (mg/l)	> 10000 g/m³ (Exposure time: 4 h)

Skin corrosion/irritation	:	Causes skin irritation. pH: 4 - 6
Serious eye damage/irritation	:	Causes serious eye irritation. pH: 4 - 6
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified

Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified
Potential Adverse human health effects and symptoms	:	Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	:	May cause respiratory irritation.
Symptoms/injuries after skin contact	:	Causes skin irritation.
Symptoms/injuries after eye contact	:	Causes serious eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology- general	:	The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

10% PEPPER KEYGUARD	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

10% PEPPER KEYGUARD	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer	:	No additional information available
Effect on the global warming	:	No additional information available
Other information	:	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	:	Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use.
Ecology - waste materials	:	Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

Transport document description (ADR)	:	ID8000 Consumer commodity, 9
UN-No.(DOT)	:	ID8000
Proper Shipping Name (DOT)	:	Consumer commodity
Hazard Classes (DOT)	:	9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140
Hazard labels (DOT)	:	9 - Class 9 (Miscellaneous dangerous materials)

DOT Packaging Exceptions (49 CFR 173.xxx)	:	167
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	167

DOT Packaging Bulk (49 CFR 173.xxx)	:	None
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	30 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	30 kg gross

Additional information

Other information	:	No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

UN-No.(IATA)	:	8000
Proper Shipping Name (IATA)	:	Consumer commodity
Class (IATA)	:	9 - Miscellaneous Dangerous Goods

SECTION 15: Regulatory information

15.1. US Federal regulations

Resins, oleo-, capsicum (8023-77-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Resins, oleo-, capsicum (8023-77-6)
Listed on the Canadian DSL (Domestic Sustances List)

EU-Regulations

Classification according to Regulation (EC) No. 1272/2008 [CLP]
No information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No information available

15.2.2. National regulations

Resins, oleo-, capsicum (8023-77-6)
Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

15.3. US State regulations

SECTION 16: Other information

Revision date	:	03/30/2015
Other information	:	None.

Full text of H-phrases:

Compressed gas	Gases under pressure : Compressed gas
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
H280	Contains gas under pressure; may explode if heated
H315	Causes skin irritation
H319	Causes serious eye irritation

The information presented herein is believed to be correct but is not purported to be all inclusive and shall be used only as a guide. AMSPEC Chemical shall not be held liable for any damage resulting from handling or from contact with the above product.