

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

1.1. Product identifier

Trade name : OC Personal Protection Spray
Product name : MUZZLE DOG REPELLENT (AEROSOL)
Product code : 80146
SDS ID : 2015019

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

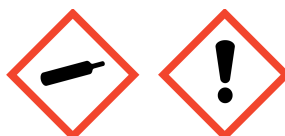
Compressed gas H280
Skin Irrit. 2 H315
Eye Irrit. 2A H319

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 thoroughly after handling
P280 - Wear protective gloves, eye protection
P302+P352 - If on skin: Wash with plenty of a doctor
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

Continuous inhalation of concentrations higher than 75 % may cause nausea, dizziness, respiratory and convulsion.

2.4. Unknown acute toxicity (GHS-US)

Not applicable

MUZZLE DOG REPELLENT (AEROSOL)

Safety Data Sheet

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

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
White mineral oil, petroleum	(CAS No) 8042-47-5	85 - 90	Not classified
Resins, oleo-, capsicum	(CAS No) 8023-77-6	10 - 15	Skin Irrit. 2, H315 Eye Irrit. 2A, H319

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). Call a poison center or a doctor if you feel unwell.
- First-aid measures after inhalation : Cough. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. 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 : Rinse mouth. 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.
- Symptoms/injuries after skin contact : Irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not flammable. Gases under pressure.
- Explosion hazard : Gases under pressure. 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. Prevent fire-fighting water from entering environment. 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. Keep away from heat/sparks/open flames/hot surfaces. Spills of this product present a serious slipping hazard. Avoid contact with skin and eye.

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.

MUZZLE DOG REPELLENT (AEROSOL)

Safety Data Sheet

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Emergency procedures : Ventilate area. Avoid breathing mist, spray. Keep away from heat/sparks/open flames/hot surfaces.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up.

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

Oil (mist/aerosols)		
ACGIH	ACGIH	ACGIH
ACGIH	ACGIH	ACGIH
OSHA	OSHA	OSHA

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. Ensure good ventilation of the work station.

Personal protective equipment : Protective goggles. Gloves.



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.

Environmental exposure controls : Avoid release to the environment.

MUZZLE DOG REPELLENT (AEROSOL)

Safety Data Sheet

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Thick liquid
Color	: Light amber
Odor	: Pungent, highly irritating
Odor threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 230 °C (446 °F)
Flash point	: 120 °C (248 °F) – Open cup
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.97 (water=1)
Solubility	: Insoluble 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

No additional information available

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur

10.4. Conditions to avoid

Direct sunlight. High temperatures. Heat. Sparks. Open flame. Overheating.

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Low Molecular weight hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

MUZZLE DOG REPELLENT (AEROSOL)

Safety Data Sheet

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Acute toxicity : Not classified
(Based on available data, the classification criteria are not met.)

Resins, oleo-, capsicum (8023-77-6)	
LC50 inhalation rat (mg/l)	> 10000 g/m ³ (Exposure time: 4 h)
White mineral oil, petroleum (8042-47-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

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

Symptoms/injuries after inhalation : Shortness of breath.

Symptoms/injuries after skin contact : 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. Very toxic to aquatic life with long lasting effects.

White mineral oil, petroleum (8042-47-5)	
LC50 fish 2	> 100 mg/l 96 hours
ErC50 (algae)	> 100 mg/l 72 hours

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

White mineral oil, petroleum (8042-47-5)	
Log Pow	> 6

12.4. Mobility in soil

No additional information available

MUZZLE DOG REPELLENT (AEROSOL)

Safety Data Sheet

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12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Handle empty containers with care because residual vapors are flammable.

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

White mineral oil, petroleum (8042-47-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Resins, oleo-, capsicum (8023-77-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

MUZZLE DOG REPELLENT (AEROSOL)

Safety Data Sheet

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

White mineral oil, petroleum (8042-47-5)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

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

EU-Regulations

White mineral oil, petroleum (8042-47-5)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	

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

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

White mineral oil, petroleum (8042-47-5)	
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 Japanese ENCS (Existing & New Chemical Substances) inventory	
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)	

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 : 4/21/2015
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.