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 GEL (AEROSOL)
Product code : 2010, 3010, 3060, 4010, 80269, 80270, 80271, 80272, 80352, 9010
SDS ID : 2015007

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 Security International, 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
STOT SE 3 H335
Full text of H-phrases: see section 16

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US) : 

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
H335 - May cause respiratory irritation
Precautionary statements (GHS-US) : P261 - Avoid breathing mist/vapors/spray
P264 - Wash face and hands thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302+P352 - If on skin: Wash with plenty of water
P304+P313 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312 - Call a poison center/doctor/… if you feel unwell
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+P364- Take off contaminated clothing and wash it before reuse
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
10% PEPPER GEL (AEROSOL)
Safety Data Sheet
according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

P410+P403 - Protect from sunlight. Store in a well-ventilated place
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>(CAS No) 34590-94-8</td>
<td>20 - 30</td>
<td>Flam. Liq. 4, H227, Eye Irrit. 2A, H319, STOT SE 3, H335</td>
</tr>
<tr>
<td>Resins, oleo-, capsicum</td>
<td>(CAS No) 8023-77-6</td>
<td>10</td>
<td>Skin Irrit. 2, H315, Eye Irrit. 2A, H319</td>
</tr>
</tbody>
</table>

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: 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. 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
Unsuitable extinguishing media: Non known.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Non-flammable aerosol.
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. 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. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges.

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

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

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: Proper grounding procedures to avoid static electricity should be followed.

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

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

<table>
<thead>
<tr>
<th>Compound</th>
<th>ACGIH TWA (ppm)</th>
<th>ACGIH STEL (ppm)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
<th>OSHA PEL (TWA) (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene glycol monomethyl ether (34590-94-8)</td>
<td>100 ppm</td>
<td>150 ppm</td>
<td>600 mg/m³</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Resins, oleo-, capsicum (8023-77-6)</td>
<td>ACGIH: Not applicable</td>
<td>OSHA: Not applicable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
10% PEPPER GEL (AEROSOL)
Safety Data Sheet
according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)


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: Gel/Aerosol
Color: Light amber
Odor: Pungent, highly irritating
Odor threshold: No data available
pH: 4.5 - 6
Relative evaporation rate (butyl acetate=1): No data available
Melting point: No data available
Freezing point: No data available
Boiling point: 100 – 190 °C (212 – 374 °F)
Flash point: 85 °C (185 °F) – Closed 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: 1.2 (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

Heat of Combustion: < 20 kJ/g (Calculated 5.5 – 8.25 kJ/g)

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. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

10.3. Possibility of hazardous reactions
Hazardous polymerization may occur if exposure to fire conditions

10.4. Conditions to avoid
10% PEPPER GEL (AEROSOL)
Safety Data Sheet
according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

10.5. Incompatible materials
No additional information available.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Dipropylene glycol monomethyl ether (34590-94-8)
LD50 oral rat 5230 mg/kg
LD50 dermal rabbit 9500 mg/kg
ATE US (oral) 5230.000 mg/kg bodyweight
ATE US (dermal) 9500.000 mg/kg bodyweight

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: 4.5 - 6

Serious eye damage/irritation : Causes serious eye irritation.
pH: 4.5 - 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) : May cause respiratory irritation.

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 : Shortness of breath. 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

Dipropylene glycol monomethyl ether (34590-94-8)
LC50 fish 1 > 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1 1919 mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. Persistence and degradability

10% PEPPER GEL
Persistence and degradability Not established.

12.3. Bioaccumulative potential

10% PEPPER GEL
Bioaccumulative potential Not established.

Dipropylene glycol monomethyl ether (34590-94-8)
Log Pow -0.064 (at 20 °C)
10% PEPPER GEL (AEROSOL)

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.
Additional information: Flammable vapors may accumulate in the container.
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

Dipropylene glycol monomethyl ether (34590-94-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
EPA TSCA Regulatory Flag: T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
10% PEPPER GEL (AEROSOL)
Safety Data Sheet
according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

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

15.2. International regulations

CANADA

Dipropylene glycol monomethyl ether (34590-94-8)
Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification | Class B Division 3 - Combustible Liquid

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

EU-Regulations

Dipropylene glycol monomethyl ether (34590-94-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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

Dipropylene glycol monomethyl ether (34590-94-8)
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)
Listed on the Canadian IDL (Ingredient Disclosure List)

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 : 05/26/2016
Other information : None.
Indication of changes : Physical and chemical properties. Hazards identification

Full text of H-phrases:

<table>
<thead>
<tr>
<th>Compressed gas</th>
<th>Gases under pressure: Compressed gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation, Category 2A</td>
</tr>
<tr>
<td>Flam. Liq. 4</td>
<td>Flammable liquids Category 4</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H227</td>
<td>Combustible liquid</td>
</tr>
<tr>
<td>H280</td>
<td>Contains gas under pressure; may explode if heated</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
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</tr>
</tbody>
</table>
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.