

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 regulations

Printing date: June 01, 2017

Revision: June 01, 2017

1 Identification

- **Product identifier**
- **Trade name:** Tap Magic PROTAP Aerosol
- **Other means of identification:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Machining, Cutting, Tapping, and Metal Processing.
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
The Steco Corporation
2330 Cantrell Road
Little Rock, AR 72203 USA
(501) 375-5644
- **Emergency telephone number:**
ChemTel Inc.
(800)255-3924 (North America)
+1 (813)248-0585 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Press. Gas H280 Contains gas under pressure; may explode if heated.
Eye Irrit. 2B H320 Causes eye irritation.

- **Label elements**
- **GHS label elements**
This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission. GHS labeling is not required per 29CFR1910.1200(b)(5)(v). The labeling below applies to industrial/professional products.
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**

GHS04
- **Signal word:** Warning
- **Hazard statements:**
H280 Contains gas under pressure; may explode if heated.
H320 Causes eye irritation.
- **Precautionary statements:**
P264 Wash thoroughly after handling.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P410+P403 Protect from sunlight. Store in a well-ventilated place.

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- **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures

- **Components:**

112-80-1	oleic acid, pure	Eye Irrit. 2B, H320	50-60%
373-49-9	(Z)-hexadec-9-enoic acid	Flam. Liq. 4, H227; Eye Irrit. 2B, H320	<10%
124-38-9	carbon dioxide	 Press. Gas, H280	<10%

- **Additional information:** For the wording of the listed Hazard Statements refer to section 16.

4 First-aid measures

- **Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

In cases of frostbite, rinse with plenty of water. Do not remove clothing.

- **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

- **Most important symptoms and effects, both acute and delayed:**

Dizziness

Coughing

Causes eye irritation.

Causes mild skin irritation.

Gastric or intestinal disorders when ingested.

- **Indication of any immediate medical attention and special treatment needed:**

No relevant information available.

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

The product is not flammable.

Use fire fighting measures that suit the environment.

- **For safety reasons unsuitable extinguishing agents:** Water stream.

- **Special hazards arising from the substance or mixture**

Danger of receptacles bursting because of high vapor pressure if heated.

Formation of toxic gases is possible during heating or in case of fire.

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- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information:** Cool endangered containers with water fog.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Use personal protective equipment as required.
Ensure adequate ventilation.
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Methods and material for containment and cleaning up**
Allow to evaporate.
Absorb liquid components with liquid-binding material.
Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling:**
Use only in well ventilated areas.
Keep out of reach of children.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Pressurized container: May burst if heated.
Store in a cool location.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
- **Specific end use(s)** No relevant information available.

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8 Exposure controls/personal protection

· Control parameters

· Components with limit values that require monitoring at the workplace:

124-38-9 carbon dioxide

PEL (USA)	Long-term value: 9000 mg/m ³ , 5000 ppm
REL (USA)	Short-term value: 54.000 mg/m ³ , 30.000 ppm Long-term value: 9000 mg/m ³ , 5000 ppm
TLV (USA)	Short-term value: 54.000 mg/m ³ , 30.000 ppm Long-term value: 9000 mg/m ³ , 5000 ppm
EL (Canada)	Short-term value: 15000 ppm Long-term value: 5000 ppm
EV (Canada)	Short-term value: 54000 mg/m ³ , 30000 ppm Long-term value: 9000 mg/m ³ , 5000 ppm
LMPE (Mexico)	Short-term value: 30000 ppm Long-term value: 5000 ppm

· Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· Engineering controls: Provide adequate ventilation.

· Breathing equipment:

Not required under normal conditions of use.

Use suitable respiratory protective device when high concentrations are present.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· Eye protection:



Safety glasses

Follow OSHA or EU guidelines concerning the use of protective eyewear.

· Body protection:

Not required under normal conditions of use.

Protection may be required for spills.

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- **Limitation and supervision of exposure into the environment**
No relevant information available.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance:

· Form:	Aerosol
· Color:	Yellow
· Odor:	Pleasant
· Odor threshold:	Not determined.

· **pH-value:** Not determined.

· **Melting point/Melting range:** Not determined.

· **Boiling point/Boiling range:** Not determined.

· **Flash point:** Not applicable, as aerosol.

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** >260 °C (>500 °F) (Estimation)

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

· Explosion limits

· **Lower:** Not determined.

· **Upper:** Not determined.

· **Oxidizing properties:** Not determined.

· **Vapor pressure:** Not determined.

· Density:

· **Relative density:** 0.89 (Liquid component)

· **Vapor density:** Not determined.

· **Evaporation rate:** Not determined.

· Solubility in / Miscibility with

· **Water:** Partly miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

· Viscosity

· **Dynamic:** Not determined.

· **Kinematic at 40 °C (104 °F):** 39 mm²/s (Liquid component)

· **Other information** No relevant information available.

10 Stability and reactivity

- **Reactivity:** No relevant information available.

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- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
 Danger of receptacles bursting because of high vapor pressure if heated.
 No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**
 Reacts with strong alkali.
 Reacts with strong oxidizing agents.
 Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials** No relevant information available.
- **Hazardous decomposition products**
 Under fire conditions only:
 Carbon monoxide and carbon dioxide
 Hydrocarbons

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:**
 Causes mild skin irritation.
 Based on available data, the classification criteria are not met.
- **On the eye:** Irritating effect.
- **Sensitization:** Based on available data, the classification criteria are not met.

· IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

· NTP (National Toxicology Program):

None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

· Probable route(s) of exposure:

Ingestion.
 Inhalation.
 Eye contact.
 Skin contact.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity** No relevant information available.
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Additional ecological information**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Due to available data on eliminability/decomposition and bioaccumulation potential, a prolonged damage of the environment is unlikely.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Contact waste processors for recycling information.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|----------------------------------|-------------------------|
| · UN-Number | |
| · DOT, ADR, IMDG, IATA | UN1950 |
| · UN proper shipping name | |
| · DOT | Aerosols |
| · ADR, IMDG | AEROSOLS |
| · IATA | Aerosols, non-flammable |

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· **Transport hazard class(es)**· **DOT**· **Class**

2 Gases

· **ADR**· **Class**

2 5A Gases

· **Label**

2.2

· **IMDG, IATA**· **Class**

2 Gases

· **Label**

2.2

· **Packing group**

This UN-number is not assigned a packing group.

· **Environmental hazards**· **Marine pollutant:**

No

· **Special precautions for user**

Warning: Gases

· **Danger code (Kemler):**

20

· **EMS Number:**

F-D,S-U

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**· **DOT**

Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

· **ADR**

Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

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· **IMDG**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

· **IATA**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

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· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** June 01, 2017 / -

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: l'Institut national de recherche sur la sécurité et la santé au travail / National Institute for Occupational Safety (États-Unis)

OSHA: Occupational Safety & Health Administration

Press. Gas: Gases under pressure – Compressed gas

Press. Gas: Gases under pressure – Liquefied gas

Flam. Liq. 4: Flammable liquids – Category 4

Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

· **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor_internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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