

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 05.20.2016

Tap Magic PROTAP Aerosol

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

1.1 Product identifier

Material Name: Tap Magic PROTAP Aerosol

Product code: 30012PL

1.2 Relevant identified uses of the substance or mixture and uses advised against: Machining, Cutting, Tapping, and Metal Processing.

1.3 Details of the manufacturer/supplier of the safety data sheet

Manufacturer:

The Steco Corporation
2330 Cantrell Road
Little Rock, AR 72202
1-501-375-5644
steco@tapmagic.com

Emergency telephone number:

ChemTel Inc

North America: 1-800-255-3924
International: 1-813-248-0585

2 Hazards identification

2.1 Classification of the substance or mixture:

In compliance with EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments.
Compressed gases.

Hazard-determining components of labeling:

Methyl oleate
(Z)-hexadec-9-enoic acid
Benzotriazole
Sodium benzoate

2.2 Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H280 Contains gas under pressure; may explode if heated.

Precautionary statements:

P410+P403 Protect from sunlight. Store in a well ventilated place.

2.3 Other hazards: None known

Information concerning particular hazards for humans and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and

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amendments, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

3 Composition/information on ingredients

3.1 Chemical characterization: Mixture.

3.2 Description: None

3.3 Hazardous components (percentages by weight)

Identification	Name	Classification	Wt. %
CAS number: 112-80-1	Oleic Acid		70-80
CAS number: 112-62-9	Methyl oleate	Eye Irrit. 2; H319	5-10
CAS number: 112-63-0	Methyl linoleate		<1
CAS number: 373-49-9	(Z)-hexadec-9-enoic acid	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319 Stot SE 3; H335	<1
CAS number: 544-64-9	(Z)-tetradec-9-enoic acid		<0.5
CAS number: 301-00-8	Methyl (9Z,12Z,15Z)-9,12,15-octadecatrienoate		<0.5
CAS number: 95-14-7	Benzotriazole	Acute Tox. 4; H302 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	<0.5
CAS number: 532-32-1	Sodium benzoate	Eye Irrit. 2; H319	<0.5
CAS number: 1330-78-5	Tris(methylphenyl) phosphate		0.22

3.4 Additional information: None.

4 First aid measures

4.1 Description of first aid measures

General information: None.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position.
Maintain an unobstructed airway.

After skin contact:

Rinse affected area with soap and water.
If symptoms develop or persist, seek medical attention.

After eye contact:

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Rinse/flush exposed eye(s) gently using water for 15-20 minutes.
If symptoms develop or persist, seek medical attention.

After swallowing:

Rinse mouth thoroughly.
Seek medical attention if irritation, discomfort, or vomiting persists.

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

None

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

No additional information.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

Unsuitable extinguishing media:

Do not use water as an extinguisher.

5.2 Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

Contents under pressure.

In a fire or if heated, a pressure increase will occur and the container may burst or explode.

5.3 Advice for firefighters

Protective equipment:

Wear protective eye wear, gloves and clothing.

Refer to Section 8.

Fire-fighters should wear self-contained breathing apparatus.

5.4 Additional information:

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols.

Avoid contact with skin, eyes and clothing.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Ensure air handling systems are operational.

6.2 Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

6.3 Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Absorb liquid spill with vermiculite or other inert material.

Sweep or scoop up solid material while minimizing dust generation.

If necessary use trained response staff or contractor.

Keep in suitable closed containers for disposal.

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Always obey local regulations.

6.4 Reference to other sections: None

7 Handling and storage

7.1 Precautions for safe handling:

- Do not eat, drink, smoke or use personal products when handling chemical substances.
- Avoid breathing mist or vapor.
- Do not puncture, crush or incinerate containers, even when empty.
- Avoid contact with skin, eyes and clothing.
- Use only with adequate ventilation.
- Follow good hygiene procedures when handling chemical materials.

7.2 Conditions for safe storage, including any incompatibilities:

- Store in a cool, well-ventilated area.
- Use equipment rated for cylinder pressure.
- Store cylinders upright.
- Keep cylinders away from heat and open flames.
- Protect from sunlight.
- Store away from foodstuffs.

7.3 Specific end use(s): No additional information.

8 Exposure controls/personal protection



8.1 Control parameters:

8.2 Exposure controls

Appropriate engineering controls:

- Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Respiratory protection:

- When necessary, use NIOSH-approved breathing equipment.

Protection of skin:

- Select glove material impermeable and resistant to the substance.
- Select glove material based on rates of diffusion and degradation.
- Wear appropriate clothing to prevent any possibility of skin contact.

Eye protection:

- Safety goggles or glasses, or appropriate eye protection.

General hygienic measures:

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Wash hands before breaks and at the end of work.
Avoid contact with skin, eyes and clothing.
Perform routine housekeeping.
Wash contaminated clothing before reusing.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance (physical state, color):	Amber liquid pressurized with propellant	Explosion limit lower: Explosion limit upper:	Not determined or not available. Not determined or not available.
Odor:	Mild	Vapor pressure:	Not determined or not available.
Odor threshold:	Not determined or not available.	Vapor density:	Not determined or not available.
pH-value:	Not determined or not available.	Relative density:	Not determined or not available.
Melting/Freezing point:	Not determined or not available.	Solubilities:	Not determined or not available.
Boiling point/range:	Not determined or not available.	Partition coefficient (n-octanol/water):	Not determined or not available.
Flash point (closed cup):	190°C	Auto/Self-ignition temperature:	Not determined or not available.
Evaporation rate:	Not determined or not available.	Decomposition temperature:	Not determined or not available.
Flammability (solid, gaseous):	Not determined or not available.	Dynamic viscosity:	Not determined or not available.
Density:	0.9 g/mL at 20°C	Kinematic viscosity:	17 cSt at 40°C

10 Stability and reactivity

10.1 Reactivity:

Does not react under normal conditions of use and storage.

10.2 Chemical stability:

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions:

None under normal conditions of use and storage.

10.4 Conditions to avoid:

None known.

10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

None known.

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11 Toxicological information

11.1 Information on toxicological effects:

Routes of exposure: No information available.

Acute toxicity:

Oral:

Oleic Acid: LD50 - Rat - > 2,000 mg/kg.

Benzotriazole: LD50 - Rat - 560 mg/kg.

Skin corrosion/irritation:

Oleic Acid: Not irritating to the skin.

(Z)-hexadec-9-enoic acid: Irritating to the skin.

Serious eye damage/irritation:

Oleic Acid: Not irritating to the eyes.

Methyl oleate: May cause mild irritation.

(Z)-hexadec-9-enoic acid: Irritating effect on the eyes.

Benzotriazole: Irritating effect on the eyes.

Sodium benzoate: Irritating effect on the eyes.

Respiratory or skin sensitization: No additional information.

Carcinogenicity:

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

Germ cell mutagenicity: No additional information.

Reproductive Toxicity: No additional information.

STOT-single and repeated exposure:

(Z)-hexadec-9-enoic acid: Component affects the respiratory system.

Aspiration toxicity: No information available.

Additional toxicological information:

No additional information.

12 Ecological information

12.1 Toxicity:

Oleic Acid: Fish, LC50 - Pimephales promelas - 205 mg/L - 96 hr.

12.2 Persistence and degradability:

No additional information.

12.3 Bioaccumulative potential:

No additional information.

12.4 Mobility in soil:

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No additional information.

General notes:

No additional information.

12.5 Results of PBT and vPvB assessment:

PBT: No additional information.

vPvB: No additional information.

12.6 Other adverse effects:

No additional information.

13 Disposal considerations

13.1 Waste treatment methods

Relevant information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. (US 40CFR262.11).

14 Transport information

Land transport:

DOT (49 CFR) transport

14.1 UN Number:	Not Regulated
14.2 UN Proper shipping name:	Not Regulated
14.3 UN Transport hazard classes:	
14.4 Packing group:	Not Regulated
Danger label:	
14.5 Environmental hazards:	No
14.6 Special precautions for user:	None

ADR/RID

14.1 UN Number:	Not Regulated
14.2 UN Proper shipping name:	Not Regulated
14.3 UN Transport hazard classes:	
14.4 Packing group:	Not Regulated
Danger label:	
Tunnel restriction code:	None
Transport category:	None

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Hazard ID number:	None
14.5 Environmental hazards:	No
14.6 Special precautions for user:	None

Air transport:

IATA-DGR

14.1 UN Number:	Not Regulated
14.2 UN Proper shipping name:	Not Regulated
14.3 UN Transport hazard classes:	
14.4 Packing group:	Not Regulated
Danger label:	
14.5 Environmental hazards:	No
14.6 Special precautions for user:	None

Sea transport:

IMDG

14.1 UN Number:	Not Regulated
14.2 UN Proper shipping name:	Not Regulated
14.3 UN Transport hazard classes:	
14.4 Packing group:	Not Regulated
Danger label:	
EMS code:	None
14.5 Environmental hazards:	No
14.6 Special precautions for user:	None
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

North American

SARA Section 311/312 (Specific toxic chemical listings):

Acute,Chronic,Pressure

SARA Section 302 (Extremely hazardous substances): None of the ingredients are listed.

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SARA Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

- 112-80-1 Oleic Acid: listed.
- 112-62-9 Methyl oleate: listed.
- 112-63-0 Methyl linoleate: listed.
- 373-49-9 (Z)-hexadec-9-enoic acid: not listed.
- 544-64-9 (Z)-tetradec-9-enoic acid: listed.
- 301-00-8 Methyl (9Z,12Z,15Z)-9,12,15-octadecatrienoate: listed.
- 95-14-7 Benzotriazole: listed.
- 532-32-1 Sodium benzoate: listed.
- 1330-78-5 Tris(methylphenyl) phosphate: listed.

TSCA Rules and Orders: Not applicable.

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.

Canada

Canadian Domestic Substances List (DSL):

- 112-80-1 Oleic Acid: listed.
- 112-62-9 Methyl oleate: listed.
- 112-63-0 Methyl linoleate: listed.
- 373-49-9 (Z)-hexadec-9-enoic acid: not listed.
- 544-64-9 (Z)-tetradec-9-enoic acid: listed.
- 301-00-8 Methyl (9Z,12Z,15Z)-9,12,15-octadecatrienoate: listed.
- 95-14-7 Benzotriazole: listed.
- 532-32-1 Sodium benzoate: listed.
- 1330-78-5 Tris(methylphenyl) phosphate: listed.

European Union

REACH Article 57 (SVHC): None of the ingredients are listed.

Germany MAK: Not classified.

Australia

Australian Inventory of Chemical Substances (AICS):

- 112-80-1 Oleic Acid: listed.
- 112-62-9 Methyl oleate: listed.
- 112-63-0 Methyl linoleate: listed.
- 373-49-9 (Z)-hexadec-9-enoic acid: not listed.
- 544-64-9 (Z)-tetradec-9-enoic acid: not listed.
- 301-00-8 Methyl (9Z,12Z,15Z)-9,12,15-octadecatrienoate: listed.
- 95-14-7 Benzotriazole: listed.
- 532-32-1 Sodium benzoate: listed.
- 1330-78-5 Tris(methylphenyl) phosphate: listed.

China

Inventory of Existing Chemical Substances in China (IECSC):

- 112-80-1 Oleic Acid: listed.
- 112-62-9 Methyl oleate: listed.

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- 112-63-0 Methyl linoleate: listed.
- 373-49-9 (Z)-hexadec-9-enoic acid: listed.
- 544-64-9 (Z)-tetradec-9-enoic acid: listed.
- 301-00-8 Methyl (9Z,12Z,15Z)-9,12,15-octadecatrienoate: listed.
- 95-14-7 Benzotriazole: listed.
- 532-32-1 Sodium benzoate: listed.
- 1330-78-5 Tris(methylphenyl) phosphate: listed.

Japan

Inventory of Existing and New Chemical Substances (ENCS):

- 112-80-1 Oleic Acid: listed.
- 112-62-9 Methyl oleate: listed.
- 112-63-0 Methyl linoleate: listed.
- 373-49-9 (Z)-hexadec-9-enoic acid: listed.
- 544-64-9 (Z)-tetradec-9-enoic acid: listed.
- 301-00-8 Methyl (9Z,12Z,15Z)-9,12,15-octadecatrienoate: listed.
- 95-14-7 Benzotriazole: listed.
- 532-32-1 Sodium benzoate: listed.
- 1330-78-5 Tris(methylphenyl) phosphate: listed.

Korea

Existing Chemicals List (ECL):

- 112-80-1 Oleic Acid: listed.
- 112-62-9 Methyl oleate: listed.
- 112-63-0 Methyl linoleate: listed.
- 373-49-9 (Z)-hexadec-9-enoic acid: listed.
- 544-64-9 (Z)-tetradec-9-enoic acid: listed.
- 301-00-8 Methyl (9Z,12Z,15Z)-9,12,15-octadecatrienoate: listed.
- 95-14-7 Benzotriazole: listed.
- 532-32-1 Sodium benzoate: listed.
- 1330-78-5 Tris(methylphenyl) phosphate: listed.

New Zealand

New Zealand Inventory of Chemicals (NZOIC):

- 112-80-1 Oleic Acid: listed.
- 112-62-9 Methyl oleate: listed.
- 112-63-0 Methyl linoleate: listed.
- 373-49-9 (Z)-hexadec-9-enoic acid: listed.
- 544-64-9 (Z)-tetradec-9-enoic acid: listed.
- 301-00-8 Methyl (9Z,12Z,15Z)-9,12,15-octadecatrienoate: listed.
- 95-14-7 Benzotriazole: listed.
- 532-32-1 Sodium benzoate: listed.

Philippines

Philippine Inventory of Chemicals and Chemical Substances (PICCS):

- 112-80-1 Oleic Acid: listed.
- 112-62-9 Methyl oleate: listed.
- 112-63-0 Methyl linoleate: listed.
- 373-49-9 (Z)-hexadec-9-enoic acid: not listed.
- 544-64-9 (Z)-tetradec-9-enoic acid: listed.
- 301-00-8 Methyl (9Z,12Z,15Z)-9,12,15-octadecatrienoate: listed.
- 95-14-7 Benzotriazole: listed.
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1330-78-5 Tris(methylphenyl) phosphate: listed.

Taiwan

Taiwan Chemical Substance Inventory (TSCI):

112-80-1 Oleic Acid: listed.

112-62-9 Methyl oleate: listed.

112-63-0 Methyl linoleate: listed.

373-49-9 (Z)-hexadec-9-enoic acid: listed.

544-64-9 (Z)-tetradec-9-enoic acid: listed.

301-00-8 Methyl (9Z,12Z,15Z)-9,12,15-octadecatrienoate: listed.

95-14-7 Benzotriazole: listed.

532-32-1 Sodium benzoate: listed.

16 Other information

Abbreviations and Acronyms: None

Manufacturer Statement:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

NFPA: 2-0-0

HMIS: 2-0-0