

Tap Magic Aluminum (Aerosol)

SECTION 1: Identification of the substance/mixture and of the supplier

Product name: Tap Magic Aluminum (Aerosol)

Manufacturer/Supplier Article number: 20012AL.

Special Notes on Product uses: After use of this product, clean and lubricate metal surfaces to avoid staining and/or corrosion.

Recommended uses of the product: Machining, Cutting, Tapping, and Metal Processing.

Manufacturer/Supplier Details:
 The Steco Corporation
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Emergency telephone number: ChemTel Inc.: (800)255-3924, +1 (813)248-0585

SECTION 2: Hazards identification

Classification of the substance or mixture:



GHS02: Flammable material
Flamm aerosol 1; H222



GHS08: Health hazard
Aspir1 H304; Reproductive Toxicity H360



GHS09: Environmental Hazard.
AqAc1 H400, AqCh2 H411

Signal word: Danger.

Hazard-determining components of labelling: Petroleum distillate.

Hazard statements:

H222: Extremely flammable aerosol.
 H304: May be fatal if swallowed and enters airway.
 H360: May damage fertility or the unborn child.
 H400: Very toxic to aquatic life.
 H411: Toxic to aquatic life with long lasting effects.

Precautionary statements:

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P281: Use personal protective equipment as required.
 P308+P313: If exposed or concerned: get medical advice/attention.
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P211: Do not spray on an open flame or other ignition source.
 P251: Do not pierce or burn, even after use.
 P273: Avoid release to the environment.
 P331: Do NOT induce vomiting.
 P301/P310: If SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P391: Collect spillage.
 P405: Store locked up.
 P410/412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P501: Dispose of contents/container as directed in Section 13.

Safety Data Sheet

Page 2 of 8

Tap Magic Aluminum (Aerosol)

Hazards Not Otherwise Classified (HNOC): None.

Unknown Acute Toxicity: No additional information.



NFPA SCALE (0-4)

Health = 1

Fire = 2

Reactivity = 1

NFPA/HMIS

HEALTH	1
FIRE	2
PHYSICAL HAZARD	1

HMIS SCALE (0-4)

Health = 1

Fire = 2

Physical Hazard = 1

0=Minimal Hazard; 1=Slight Hazard; 2=Moderate Hazard; 3=Serious Hazard; 4=Severe Hazard.

SECTION 3: Composition/information on ingredients

Chemical characterization: Mixture.

Description: Machining, cutting, tapping, and metal processing.

Hazardous components: As listed below.

CAS / Identifying No.	Description	Wt. %
CAS: 111-82-0	Aliphatic Organic Ester <i>AqAc1 H400; AqCh2 H411</i>	30 – 45%
CAS: 64742-47-8	Hydrotreated Light Distillates <i>Aspir1 H304</i>	45 – 65%
CAS: 110-80-5	2-Ethoxyethanol <i>FlamLiq3 H226; AcTox oral4 H302; AcTox inhal3 H331. Reproductive Toxicity H360,</i>	0 – 5%
CAS: 124-38-9	Carbon Dioxide <i>Pressurized gas H280</i>	0 – 5%

Additional Information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

Description of first aid measures

General information:

Take affected persons into fresh air, if feasible, or away from the source.

Consult a doctor/physician if concerned or feel unwell.

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest, provide artificial respiration using a barrier device.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

If aspirated, seek medical attention immediately.

Provide oxygen treatment if affected person has difficulty breathing.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Remove contact lenses if worn.

Rinse opened eye for at least 15 - 20 minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Call for medical help immediately.

Do not induce vomiting.

If victim vomits, be sure to keep head below knees to prevent aspiration of vomitus into lungs.

If victim is unconscious, position on their side and support them so they cannot roll onto their back.

This SDS applies to part numbers: 20012AL.

Tap Magic Aluminum (Aerosol)

Most important symptoms and effects, both acute and delayed:

- Breathing difficulty.
- Coughing.
- Irritant to skin and mucous membranes.
- Slight irritant effect on eyes.
- Gastric or intestinal disorders when ingested.

Hazards:

- Danger of impaired breathing.
- May cause respiratory irritation.

Indication of any immediate medical attention and special treatment needed:

- Consult a doctor/physician if concerned or feel unwell.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing agents:

- Use an extinguishing agent suitable for the surrounding fire.
- Foam.
- Carbon Dioxide.
- Dry Chemical.

For safety reasons unsuitable extinguishing agents: Water jet, as it may spread fire.

Special hazards arising from the substance or mixture: Carbon monoxide.

Advice for firefighters

Protective equipment:

- Use self-contained breathing apparatus (SCBA) and full bunker turnout gear in a sustained fire.
- Wear fully protective suit.

Hazardous Combustion Products:

- Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide and unidentified organic and inorganic compounds.

Additional information:

- Cool endangered receptacles with water fog or haze.
- Use large quantities of foam as it is partially destroyed by the product.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

- Use respiratory protective device against the effects of release.
- Wear protective equipment.
- Keep unprotected persons away.
- Ensure adequate ventilation.
- Particular danger of slipping on leaked/spilled product.

Environmental precautions:

- For small spills, soak up with shop towels or absorbent material such as oil-dry or vermiculite.
- For large spills, any leaks should be stopped.
- Spill should be contained, then cleaned up using vacuum truck or absorbent material.

Methods and material for containment and cleaning up:

- Suitable absorbents include natural minerals (clay), activated charcoal, man-made polymers (HD polyethylene).
- Pick up mechanically.
- Send for recovery or disposal in suitable receptacles.
- Dispose contaminated material as waste according to Section 13.

Tap Magic Aluminum (Aerosol)

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.

SECTION 7: Handling and storage**Precautions for safe handling:**

- NO SMOKING in area where this product is used.
- Avoid handling or use near extreme heat, ignition sources or open flame.
- Prevent release or formation of aerosols except as intended.
- Avoid splashes or spray in enclosed areas.
- Use only in well ventilated areas.
- Prevent from freezing.
- Do not spray on an open flame or other ignition source.
- **After use of this product, clean and lubricate metal surfaces to avoid staining and/or corrosion.

Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

- NO SMOKING in area where this product is stored.
- Store only in the original receptacle.
- Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:

- Store away from oxidizing agents.
- Do not store together with alkalis/caustic solutions.
- Store away from foodstuffs.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
- Protect from sunlight.
- Do not expose to temperatures exceeding 50 °C/122 °F.

Further information about storage conditions:

- Store in cool, dry conditions in well-sealed containers.
- Store receptacle in a well-ventilated area.

Information about fire and explosion protection:

- Keep away from heat, sunlight, fire and ignition sources.
- Do not puncture or burn container.

SECTION 8: Exposure controls/personal protection

Safety glasses



Protective gloves

Control Parameters: No applicable occupational exposure limits.

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls:**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.
- Do not inhale gases / fumes / aerosols.

Tap Magic Aluminum (Aerosol)

Respiratory protection:

Not required under normal conditions of use.
 Use suitable respiratory protective device when aerosol or mist is formed.
 Use suitable respiratory protective device in case of insufficient ventilation.
 Use respiratory protection when grinding or cutting material.
 For spills, respiratory protection may be advisable.

Protection of hands:

Protective gloves should be worn. The glove material has to be impermeable and resistant to the product.
 Selection of the glove material should be based on the penetration time, rates of diffusion and the degradation of the glove material. The exact break through time has to be determined by the manufacturer of the protective gloves.

Eye protection: Contact lenses should not be worn.

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

Appearance		Explosion limit	
Physical state:	Pressurized liquid w/ propellant.	Lower:	Not determined.
Color:	Light Yellow.	Upper:	Not determined.
Odor:	Pleasant.	Vapor pressure:	Not applicable.
Odor threshold:	Not determined.	Vapor density:	Not Determined.
pH-value:	Not applicable.	Density:	0.83 g/ml
Melting/Freezing point:	Not applicable.	Solubility:	Insoluble in water.
Boiling point/Boiling range:	Not determined.	Partition coefficient (n-octanol/water):	Not determined.
Flash point (closed cup):	185 °F	Auto -ignition temperature:	Not determined.
Evaporation rate:	Not determined.	Decomposition temperature:	Not determined.
Flammability (solid, gaseous):	Combustible.		
Viscosity:	7.6 cSt @ 100° F		

Non-standard parameters: None noted.

SECTION 10: Stability and reactivity

Reactivity: Flammable, pressurized gas.

Chemical stability:

Stable at ambient temperatures and pressure.
 Elevated temperature and exposure to strong alkalis, oxidizers, and/or acids will promote decomposition.
 At normal room temperatures, decomposition is virtually nil.
 Exposure to strong direct sunlight may cause decomposition and discoloration of some components present in this product.

Possible hazardous reactions:

Reacts with strong oxidizing agents.
 Reacts with strong acids and alkali.
 Toxic fumes may be released if heated above the decomposition point.

Conditions to avoid: Store away from oxidizing agents.

Incompatible materials:

Contact with alkali materials.
 Oxidizers.
 Acids.

Tap Magic Aluminum (Aerosol)**Hazardous decomposition products:**

Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide and unidentified organic and inorganic compounds.

SECTION 11: Toxicological information

Acute Toxicity: No data available.

Routes of Entry: Inhalation, Ingestion, Skin, Eye.

Acute effects (acute toxicity, irritation and corrosivity): Classified as an aspiration hazard.

Chronic Effects on Humans: None known.

Mutagenicity: None known.

Carcinogenicity: None known.

Reproductive Effects: None known.

Other Effects on Humans: None known.

SECTION 12: Ecological information**Information on Eco-toxicological effects****Toxicity:**

Aquatic toxicity: May cause long lasting harmful effects to aquatic life (invertebrates, algae).

Repeated dose toxicity: None known.

Persistence and degradability: The product is not biodegradable.

Bioaccumulative potential: No additional information.

Ecotoxicological effects:

Ecotoxicity - Aquatic Toxicity.

Test & Species Conditions.

111-82-0 Aliphatic Organic Ester.

LC50 96h Bluegills >1000 mg/l (C16-18 Methyl Ester mixture).

Microbiological inhibition: None at 10,000 mg/l.

96 Hr LC50 Pimephales promelas >5000 mg/L.

48 Hr EC50 Daphnia magna >1000 mg/L.

EC50 48h 0.255 mg/l; Daphna manga (mobility).

EC50 24h 0.296 mg/l; Daphna manga (mobility).

NOEC 48h 0.102 mg/l; Daphna manga (mobility).

LC50 21d 0.252 mg/l Daphna manga (mortality of parent).

EC50 21d 0.22 mg/l Daphna manga (reproductivity),

EC50 72h 0.179 algae (biomass).

EC50 72h 0.324 algae (growth rate).

Mobility in soil: No additional information.

General notes: Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Other adverse effects: No additional information.

SECTION 13: Disposal considerations**Waste treatment methods****Recommendation:**

Product/containers must NOT be disposed together with household garbage.

Do not allow product to reach sewage system or open water.

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

Consult federal state/ provincial and local regulations regarding the proper disposal of waste material that may incorporate some amount of this product.

Tap Magic Aluminum (Aerosol)

If inert absorbents are employed in spill containment or clean-up, these absorbents must be non-biodegradable materials if destined for landfill disposal.

Suitable absorbents include non-combustible liquid-binding material (natural minerals such as clay, sand, diatomite; activated charcoal, man-made polymers such as HD polyethylene; acid binders, or universal binders, if they are non-biodegradable).

Uncleaned packaging:**Recommendation:**

Do not pierce or burn aerosol containers.

Disposal must be made in accordance with all local, state and federal regulations.

Component Waste Numbers:

No EPA Waste Numbers are applicable for this product's components.

SECTION 14: Transport information**US DOT Transportation Information****US DOT Transportation Information****Proper shipping name:**

DOT, ADR, IMDG, IATA:

Pressurized gas, flammable, n.o.s. (Carbon Dioxide, 2-Ethoxyethanol).

UN-Number

DOT, ADR, IMDG, IATA:

UN1954

Packing group:

DOT, ADR, IMDG, IATA:

None.

Transport hazard class:

Class:

2.1

**Label:****Environmental hazards:**

Marine pollutant:

Yes

Special precautions for user:

Not applicable.

SECTION 15: Regulatory information**United States (USA)**

General Product Information: No additional information available.

Component Analysis: No additional information available.

The following is provided to aid in the preparation of SARA 311 and 312 reports.

SARA 311/312

Acute Health Hazard: Yes.

Chronic Health Hazard: Yes.

Fire Hazard: Yes.

Sudden Release of Pressure Hazard: Yes.

Reactive Hazard: No.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Clean Air Act: None of the ingredient is listed.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredient is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredient is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredient is listed.

Chemicals known to cause developmental toxicity: None of the ingredient is listed.

Tap Magic Aluminum (Aerosol)

Canada

Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%): None of the ingredient is listed.

Canadian Ingredient Disclosure list (limit 1%): None of the ingredient is listed.

SECTION 16: Other information

Effective date: 12/31/2014 **US Only (GHS) Version**

This information is based on our present knowledge according to 29 CFR 1910/1200 and GHS Rev 3. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (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

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Tap Magic SDSs are available at www.tapmagic.com

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