

**Tap Magic Formula 1 Aqueous**

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

**Product name:** Tap Magic Formula 1 Aqueous  
**Manufacturer/Supplier Article number:** 50016Q, 50128Q, 50640Q, 53840Q, 57040Q  
**Special Notes on Product uses:** After use of this product, clean and lubricate metal surfaces to avoid staining and/or corrosion.  
**\*\* Tap Magic Formula 1 Aqueous must not be used for magnesium machining.\*\***  
**Recommended uses of the product:** Machining, Cutting, Tapping, and Metal Processing.  
**Manufacturer/Supplier Details:**  
 The Steco Corporation  
 2330 Cantrell Road  
 Little Rock, AR 72202 USA  
 Tel: 501-375-5644  
 Website: [www.tapmagic.com](http://www.tapmagic.com)  
 Email: [steco@tapmagic.com](mailto:steco@tapmagic.com)  
**Emergency telephone number:** ChemTel Inc.: (800)255-3924, +1 (813)248-0585

**SECTION 2: Hazards identification**

**Classification of the substance or mixture:**



GHS07: Irritant.  
 Skin2 H315, Eye2 H319

**Signal word:** Warning.

**Hazard statements:**

- H315: Causes skin irritation.
- H319: Causes serious eye irritation.

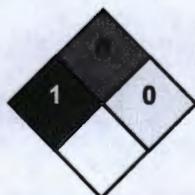
**Precautionary statements:**

- P264: Wash hands and exposed skin thoroughly after handling.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
- P337+P313: If eye irritation persists get medical advice/attention.
- P321: Specific treatment (see Section 4 on this SDS).
- P362: Take off contaminated clothing and wash before reuse.
- P302+P352: IF ON SKIN: Wash with soap and water.

**Hazards Not Otherwise Classified (HNOC):** None.

**Unknown Acute Toxicity:** <0.2% ingredients are of unknown acute toxicity.

**NFPA/HMIS**



**NFPA SCALE (0-4)**  
 Health = 1  
 Fire = 0  
 Reactivity = 0

HEALTH	1
FIRE	0
PHYSICAL HAZARD	0

**HMIS SCALE (0-4)**  
 Health = 1  
 Fire = 0  
 Physical Hazard = 0

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

## Tap Magic Formula 1 Aqueous

**SECTION 3: Composition/information on ingredients**

**Chemical characterization:** Mixture.

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

**Hazardous components:**

CAS / Identifying No.	Description	Wt. %
CAS: 39464-70-5	Polyethylene glycol phenyl ether phosphate <i>Eye1 H318; Skin 2 H315</i>	1 – 10%
CAS: 102-71-6	Triethanolamine <i>Eye2 H319,</i>	1 – 10%
The specific chemical identity has been withheld as a trade secret.	Amine complex trade secret <i>Sk1B H314; Acute tox 302, 312, 332, , STOT SE3 H335</i>	1%
CAS: 68551-13-3	Alcohols, C12-15, ethoxylated propoxylated <i>AcTox H302, H312, Eye2 H319; Aq AcTox1 H400</i>	1 – 10%

**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.

**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.

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

Breathing difficulty.

Coughing.

Irritant to skin and mucous membranes.

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.

## Tap Magic Formula 1 Aqueous

**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:** None known.

**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:**

Carbon oxides.

Nitrogen oxides.

**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:**

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to Section 13.

**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:**

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

Prevent from freezing.

\*\*After use of this product, clean and lubricate metal surfaces to avoid staining and/or corrosion.

**Tap Magic Formula 1 Aqueous**

**Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:**

- 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.

**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:** No special measures required.

**SECTION 8: Exposure controls/personal protection**



Safety glasses



Protective gloves

**Control Parameters:**

<b>Triethanolamine</b>	<b>102-71-6</b>
ACGIH TLV-TWA	5 mg/m3
<b>Amine complex trade secret</b>	
ACGIH TLV-STEL	6ppm, TLV-TWA 3ppm
NIOSH IDLH	30 ppm, STEL 6ppm 15 mg/m3; TWA 3 ppm 8mg/m3
OSHA PEL TWA	3ppm 6mg/m3

**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.

**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.

## Tap Magic Formula 1 Aqueous

## SECTION 9: Physical and chemical properties

<b>Appearance</b>		<b>Explosion limit</b>	
Physical state:	Liquid.	Lower:	Not determined.
Color:	Amber.	Upper:	Not determined.
Odor:	Mild.	Vapor pressure:	Not determined.
Odor threshold:	Not determined.	Vapor density:	Not Determined.
pH-value:	9.3	Density:	1.0 g/ml
Melting/Freezing point:	32° F	Solubility:	100% soluble in water. Insoluble in Hydrocarbons.
Boiling point/Boiling range:	Not determined.	Partition coefficient (n-octanol/water):	Not determined.
Flash point (closed cup):	Not applicable.	Auto-ignition temperature:	Not determined.
Evaporation rate:	Not determined.	Decomposition temperature:	Not determined.
Flammability (solid, gaseous):	Non-flammable.		
Viscosity:	6.5 cSt @ 100° F		
<b>Non-standard parameters:</b> None noted.			

## SECTION 10: Stability and reactivity

**Reactivity:** Not determined

**Chemical stability:**

Stable at ambient temperatures and pressure.

Elevated temperature and exposure to strong alkalis, oxidizers, and/or acids will promote decomposition.

Such decomposition results in the release of hydrogen chloride, hydrogen sulfide, and sulfur from the product.

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.

Magnesium alloys.

**Hazardous decomposition products:**

Carbon monoxide.

Carbon dioxide.

Phosphorus compounds.

Nitrogen oxides (NO<sub>x</sub>).

## SECTION 11: Toxicological information

**Acute Toxicity:** The product is not classified as Acutely Toxic, although some of the ingredients are.

Triethanolamine 102-71-6

Dermal LD50 Rabbit >20 mg/kg

Amine complex trade secret

Dermal LD50 Rabbit 1000 mg/kg; Oral LD50 Rat 1720 mg/kg.

**Tap Magic Formula 1 Aqueous**

Alcohols, C12-15, ethoxylated propoxylated 68551-13-3

Dermal LD50 Rat 2000 mg/kg; Oral LD50 Rat 1350 mg/kg

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

**Other Acute effects (irritation and corrosivity):** Irritant to skin, eyes, mucous membranes and tissues at each route of entry.

**Chronic Effects on Humans:** None known.

**Mutagenicity:** None known.

**Carcinogenicity:** None known.

**Reproductive Effects:** None known.

**Other Effects on Humans:** Hazardous in case of ingestion or inhalation above the PEL without respiratory protection.

**SECTION 12: Ecological information****Information on Ecotoxicological effects:**

**Toxicity:** No additional information.

**Aquatic toxicity:** The material is not classified as being harmful to the environment.

**Repeated dose toxicity:** None known.

**Persistence and degradability:** The biodegradability has not been determined for the product; it is aqueous based.

**Bioaccumulative potential:** No additional information.

**Ecotoxic effects:** No additional information.

**Mobility in soil:** Aqueous base is mobile in soil.

**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.

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

Suitable absorbents include natural minerals (clay), activated charcoal, man-made polymers (HD polyethylene).

**Uncleaned packaging:**

**Recommendation:** 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****Proper shipping name:**

DOT, ADR, IMDG, IATA: Not Regulated.

**UN-Number:**

DOT, ADR, IMDG, IATA: Not Regulated.

**Packing group:**

DOT, ADR, IMDG, IATA: Not Regulated.

**Transport hazard class(es):**

Class: Not Regulated.

This SDS applies to part numbers: 50016Q, 50128Q, 50640Q, 53840Q, 57040Q

# Safety Data Sheet

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## Tap Magic Formula 1 Aqueous

**Label:** None.  
**Environmental hazards:**  
**Marine pollutant:** No.  
**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 aide in the preparation of SARA 311 and 312 reports.

#### SARA 311/312

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Sudden Release of Pressure Hazard:** No

**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.

#### Canada

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

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

**Canadian Ingredient Disclosure list (limit 1%):**

Amine complex trade secret

Triethanolamine 102-71-6

### SECTION 16: Other information

**Effective date:** 11/20/2014 **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. 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.

#### 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

**This SDS applies to part numbers: 50016Q, 50128Q, 50640Q, 53840Q, 57040Q**

**Tap Magic Formula 1 Aqueous**

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

**Special Note:** Tap Magic Formula 1 Aqueous must not be used for magnesium machining.

Tap Magic SDSs are available at [www.tapmagic.com](http://www.tapmagic.com)  
Document Group: "Formula\_1\_Aqueous\_USA\_EN\_Rev0"

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