Tap Magic Formula 1 Aqueous (Aerosol)

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

Product name: **Tap Magic Formula 1 Aqueous (Aerosol)**

Manufacturer/Supplier Article number: 50012QL

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
Email: 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:

GHS02: Flammable material
Flam. aerosol 1; H222: Extremely flammable aerosol.

GHS07: Irritant.
Skin2 H315, Eye2 H319

Signal word: Danger.

Hazard statements:

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

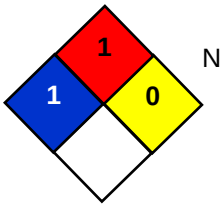
Precautionary statements:

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 – continue rinsing for 15-20 minutes.
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 = 1
Reactivity = 0

HEALTH	1
FIRE	1
PHYSICAL HAZARD	0

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

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

This SDS applies to part numbers: 50012QL

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: 39464-70-5	Polyethylene glycol phenyl ether phosphate *Eye1 H318; Skin 2 H315*	1 – 10%
CAS: 102-71-6	Triethanolamine *Eye2 H319,*	1 – 10%
The specific chemical identity has been withheld as a trade secret.	Amine complex trade secret *Sk1B H314; Acute tox 302, 312, 332, , STOT SE3 H335*	<1%
CAS: 68551-13-3	Alcohols, C12-15, ethoxylated propoxylated *AcTox H302, H312, Eye2 H319; Aq AcTox1 H400*	1 – 10%
CAS: 68476-86-8	Propane/n-Butane *Pressurized gas (Dissolved gas) H280; Flam. gas 1 H220*	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.
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: 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:

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:

Triethanolamine 102-71-6	
ACGIH TLV-TWA	5 mg/m3
Amine complex trade secret	
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.

SECTION 9: Physical and chemical properties

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Appearance		**Explosion limit**	
Physical state:	Pressurized liquid w/ propellant.	**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:	32º 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):	Flammable aerosol.		
Viscosity:	6.5 cSt @ 100º 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.
Such decomposition results in the release of carbon and nitrogen oxides 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 (NOx).

Tap Magic Formula 1 Aqueous (Aerosol)

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.

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

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

Other Acute effects (irritation and corrosivity): Irritant to skin, eyes, mucous membranes and tissues associated with all routes of entry.

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

Chronic Effects on Humans:

Long term exposure without respiratory protection may lead to chronic cough, indigestion or respiratory dysfunction.

Exposure may cause serious health impacts

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:

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.

Ecotoxical 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:

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

Proper shipping name:

DOT, ADR, IMDG, IATA: Flammable

UN-Number

DOT, ADR, IMDG, IATA: UN1950

Packing group:

DOT, ADR, IMDG, IATA: None.

Transport hazard class:

Class: 2.1

Label:

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: 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.

Canada

Canadian Domestic Substances List (DSL): All ingredients are listed.
Canadian Ingredient Disclosure list (limit 0.1%):
Canadian Ingredient Disclosure list (limit 1%):
Amine complex trade secret
Triethanolamine 102-71-6

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. 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
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
Document Group: "Formula_1_Aqueous_A_USA_EN_Rev0"

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