



# Tap Magic EP-Xtra Cutting Fluid

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 12/5/2024 Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Tap Magic EP-Xtra Cutting Fluid

#### 1.2. Recommended use and restrictions on use

Recommended use : Cutting Fluid for Ferrous Metals  
Restrictions on use : No data available

#### 1.3. Supplier

The Steco Corporation  
2330 Cantrell Road  
Little Rock, AR 72202  
USA  
T 800-643-8026  
[steco@tapmagic.com](mailto:steco@tapmagic.com)

#### 1.4. Emergency telephone number

Emergency number : 800-255-3924

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|                                                                  |      |                                                 |
|------------------------------------------------------------------|------|-------------------------------------------------|
| Skin sensitization, Category 1                                   | H317 | May cause an allergic skin reaction             |
| Hazardous to the aquatic environment – Acute Hazard Category 2   | H401 | Toxic to aquatic life                           |
| Hazardous to the aquatic environment – Chronic Hazard Category 2 | H411 | Toxic to aquatic life with long lasting effects |

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US) : Warning

Hazard statements (GHS US) : H317 - May cause an allergic skin reaction

H401 - Toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS US)

: P261 - Avoid breathing mist, spray, vapors.

P272 - Contaminated work clothing must not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear eye protection, protective gloves, protective clothing.

P302+P352 - If on skin: Wash with plenty of water.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P391 - Collect spillage.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

# Tap Magic EP-Xtra Cutting Fluid

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                                   | Product identifier   | Conc.<br>(% w/w) |
|--------------------------------------------------------|----------------------|------------------|
| Distillates (petroleum), hydrotreated light naphthenic | CAS-No.: 64742-53-6  | 30-60            |
| Distillates (petroleum), hydrotreated heavy paraffinic | CAS-No.: 64742-54-7  | 10-30            |
| Tetradecane, chloro derivs.                            | CAS-No.: 198840-65-2 | 10-30            |
| 2,4,4-Trimethylpentene, sulfurized                     | CAS-No.: 68515-88-8  | 1-5              |

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. If breathing stops, give artificial respiration.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell. Rinse mouth out with water.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : No known significant effects or critical hazards.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : No known significant effects or critical hazards.

Symptoms/effects after ingestion : Possible irritation of mucous membranes and digestive tract, nausea, vomiting.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

# Tap Magic EP-Xtra Cutting Fluid

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 5.2. Specific hazards arising from the chemical

- Fire hazard : Not considered flammable but may burn at high temperatures.
- Hazardous decomposition products in case of fire : Toxic fumes may be released. Combustion products may include the following: carbon oxides (CO, CO<sub>2</sub>).

### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : No action shall be taken without appropriate training or involving any personal risk. Ventilate spillage area. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Prevent runoff from entering drains, sewers or waterways. Remove all sources of ignition.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Take up liquid spill into absorbent material. Collect all waste in suitable and labeled containers and dispose according to local legislation.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Keep away from sources of ignition - No smoking.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep away from food, drink and animal feeding stuffs. Keep container closed when not in use. Keep away from heat. Keep away from ignition sources (including static discharges).

# Tap Magic EP-Xtra Cutting Fluid

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

|                                                                            |                          |
|----------------------------------------------------------------------------|--------------------------|
| <b>Tap Magic EP-Xtra Cutting Fluid</b>                                     |                          |
| No additional information available                                        |                          |
| <b>Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)</b> |                          |
| <b>USA - OSHA - Occupational Exposure Limits</b>                           |                          |
| Local name                                                                 | Oil mist, mineral        |
| OSHA PEL TWA                                                               | 5 mg/m <sup>3</sup>      |
| Regulatory reference (US-OSHA)                                             | OSHA Annotated Table Z-1 |
| <b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b> |                          |
| <b>USA - OSHA - Occupational Exposure Limits</b>                           |                          |
| Local name                                                                 | Oil mist, mineral        |
| OSHA PEL TWA                                                               | 5 mg/m <sup>3</sup>      |
| Regulatory reference (US-OSHA)                                             | OSHA Annotated Table Z-1 |
| <b>Tetradecane, chloro derivs. (198840-65-2)</b>                           |                          |
| No additional information available                                        |                          |
| <b>2,4,4-Trimethylpentene, sulfurized (68515-88-8)</b>                     |                          |
| No additional information available                                        |                          |

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

|                                                                          |
|--------------------------------------------------------------------------|
| <b>Hand protection:</b>                                                  |
| Wear protective gloves                                                   |
| <b>Eye protection:</b>                                                   |
| Safety glasses                                                           |
| <b>Skin and body protection:</b>                                         |
| Wear suitable protective clothing                                        |
| <b>Respiratory protection:</b>                                           |
| In case of insufficient ventilation, wear suitable respiratory equipment |

#### Personal protective equipment symbol(s):



# Tap Magic EP-Xtra Cutting Fluid

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|                                                 |                               |
|-------------------------------------------------|-------------------------------|
| Physical state                                  | : Liquid                      |
| Appearance                                      | : Amber liquid.               |
| Color                                           | : Amber                       |
| Odor                                            | : Characteristic              |
| Odor threshold                                  | : No data available           |
| pH                                              | : No data available           |
| Melting point                                   | : No data available           |
| Freezing point                                  | : No data available           |
| Boiling point                                   | : No data available           |
| Flash point                                     | : > 302 °F (150°C)            |
| Relative evaporation rate (butyl acetate=1)     | : No data available           |
| Flammability (solid, gas)                       | : Not applicable.             |
| Vapor pressure                                  | : No data available           |
| Relative vapor density at 20°C                  | : No data available           |
| Relative density                                | : 0.93                        |
| Solubility                                      | : Not soluble in water alone. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available           |
| Auto-ignition temperature                       | : No data available           |
| Decomposition temperature                       | : No data available           |
| Viscosity, kinematic                            | : 24 mm²/s (40°C (104°F))     |
| Viscosity, dynamic                              | : No data available           |
| Explosion limits                                | : No data available           |
| Explosive properties                            | : Not explosive.              |
| Oxidizing properties                            | : Not oxidising.              |

#### 9.2. Other information

|             |         |
|-------------|---------|
| VOC content | : 4.5 % |
|-------------|---------|

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Incompatible materials. Keep away from ignition sources.

#### 10.5. Incompatible materials

Strong bases. Strong acids. Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Tap Magic EP-Xtra Cutting Fluid

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |              |
|---------------------------------------------------------------------|--------------|
| LD50 oral rat                                                       | > 5000 mg/kg |
| LD50 dermal rabbit                                                  | > 2000 mg/kg |
| LC50 Inhalation - Rat                                               | 2.18 mg/l    |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |               |
|---------------------------------------------------------------------|---------------|
| LD50 oral rat                                                       | > 15000 mg/kg |
| LD50 dermal rabbit                                                  | > 5000 mg/kg  |

| 2,4,4-Trimethylpentene, sulfurized (68515-88-8) |            |
|-------------------------------------------------|------------|
| LD50 oral rat                                   | 3641 mg/kg |

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitization : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified  
Viscosity, kinematic : 24 mm<sup>2</sup>/s (40°C (104°F))  
Likely routes of exposure : Inhalation. Skin and eye contact.  
Symptoms/effects after inhalation : No known significant effects or critical hazards.  
Symptoms/effects after skin contact : May cause an allergic skin reaction.  
Symptoms/effects after eye contact : No known significant effects or critical hazards.  
Symptoms/effects after ingestion : Possible irritation of mucous membranes and digestive tract, nausea, vomiting.

### SECTION 12: Ecological information

#### 12.1. Toxicity

| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |             |
|---------------------------------------------------------------------|-------------|
| LC50 - Fish [1]                                                     | > 5000 mg/l |
| EC50 - Crustacea [1]                                                | > 1000 mg/l |
| EC50 96h - Algae [1]                                                | > 1000 mg/l |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |             |
|---------------------------------------------------------------------|-------------|
| LC50 - Fish [1]                                                     | > 5000 mg/l |
| EC50 - Crustacea [1]                                                | > 1000 mg/l |
| EC50 96h - Algae [1]                                                | > 1000 mg/l |

# Tap Magic EP-Xtra Cutting Fluid

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| 2,4,4-Trimethylpentene, sulfurized (68515-88-8) |               |
|-------------------------------------------------|---------------|
| LC50 - Fish [1]                                 | 0.000494 mg/l |
| EC50 - Crustacea [1]                            | 0.33 mg/l     |
| EC50 - Crustacea [2]                            | 0.3 mg/l      |
| EC50 96h - Algae [1]                            | 0.004 mg/l    |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

|                                 |                                                                                                                                                   |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional waste regulation       | : Disposal must be done according to official regulations.                                                                                        |
| Waste treatment methods         | : Dispose of contents/container in accordance with licensed collector's sorting instructions and in accordance to local and regional legislation. |
| Sewage disposal recommendations | : Do not discharge into drains.                                                                                                                   |

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT                                                                                 | TDG                                                                                 | IMDG                                                                                 | IATA                                                                                  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>14.1. UN number</b>                                                              |                                                                                     |                                                                                      |                                                                                       |
| 3082                                                                                | 3082                                                                                | 3082                                                                                 | 3082                                                                                  |
| <b>14.2. Proper Shipping Name</b>                                                   |                                                                                     |                                                                                      |                                                                                       |
| Environmentally hazardous substances, liquid, n.o.s. (Tetradecane, chloro derivs.)  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tetradecane, chloro derivs.)   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tetradecane, chloro derivs.)    | Environmentally hazardous substance, liquid, n.o.s. (Tetradecane, chloro derivs.)     |
| <b>14.3. Transport hazard class(es)</b>                                             |                                                                                     |                                                                                      |                                                                                       |
| 9                                                                                   | 9                                                                                   | 9                                                                                    | 9                                                                                     |
|  |  |  |  |
| <b>14.4. Packing group</b>                                                          |                                                                                     |                                                                                      |                                                                                       |
| III                                                                                 | III                                                                                 | III                                                                                  | III                                                                                   |

# Tap Magic EP-Xtra Cutting Fluid

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| DOT                                    | TDG                                | IMDG                                                        | IATA                               |
|----------------------------------------|------------------------------------|-------------------------------------------------------------|------------------------------------|
| <b>14.5. Environmental hazards</b>     |                                    |                                                             |                                    |
| Dangerous for the environment: Yes     | Dangerous for the environment: Yes | Dangerous for the environment: Yes<br>Marine pollutant: Yes | Dangerous for the environment: Yes |
| No supplementary information available |                                    |                                                             |                                    |

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### Canada

|                                                                                               |
|-----------------------------------------------------------------------------------------------|
| <b>Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)</b>                    |
| Listed on the Canadian DSL (Domestic Substances List)                                         |
| <b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>                    |
| Listed on the Canadian DSL (Domestic Substances List)                                         |
| <b>Tetradecane, chloro derivs. (198840-65-2)</b>                                              |
| Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List) |
| <b>2,4,4-Trimethylpentene, sulfurized (68515-88-8)</b>                                        |
| Listed on the Canadian DSL (Domestic Substances List)                                         |

#### EU-Regulations

No additional information available

#### National regulations

|                                                                            |
|----------------------------------------------------------------------------|
| <b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b> |
| Listed on INSQ (Mexican National Inventory of Chemical Substances)         |

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

# Tap Magic EP-Xtra Cutting Fluid

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Full text of hazard classes and H-statements |                                                 |
|----------------------------------------------|-------------------------------------------------|
| H317                                         | May cause an allergic skin reaction             |
| H401                                         | Toxic to aquatic life                           |
| H411                                         | Toxic to aquatic life with long lasting effects |

NFPA health hazard

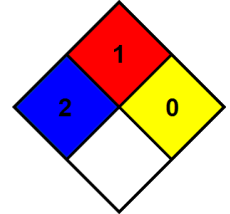
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

: 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability

: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

BW\_Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.