

# Tap Magic Plasma Cut

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations  
Date of Issue: 11/28/2023

Version: 1.0

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** Tap Magic Plasma Cut

**Product Code:** 8LMT-PLASMA05, 8LMT-PLASMA55, 8LMT-PLASMA275

#### 1.2. Intended Use of the Product

**Use of the Substance/Mixture:** Plasma Arc Table fluid

#### 1.3. Name, Address, and Telephone of the Responsible Party

##### Manufacturer

The Steco Corporation

2330 Cantrell Road

Little Rock, AR 72202

T 501-375-5644

[www.TapMagic.com](http://www.TapMagic.com)

[steco@tapmagic.com](mailto:steco@tapmagic.com)

#### 1.4. Emergency Telephone Number

**Emergency Number**

: VelocityEHS

(800)255-3924 (North America)

+1 (813)248-0585 (International)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

##### GHS-US Classification

Not classified

#### 2.2. Label Elements

##### GHS-US Labeling

No labeling applicable according to 29 CFR 1910.1200.

#### 2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

#### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Synonyms	Product Identifier	%	GHS US classification
Water	water / AQUA	(CAS-No.) 7732-18-5	90 – 99	Not classified
Carboxylic acids, di-, C10-12, compounds with triethanolamine	None provided	(CAS-No.) 100084-94-4	1.13	Not classified
Triethanolamine	Tris(hydroxyethyl)amine / Trolamine / Tri(2-hydroxyethyl)amine / TRIETHANOLAMINE / Tris(2-hydroxyethyl)amine / TEA / 2,2',2''-Nitrilotriethanol / Ethanol, 2,2',2''-nitrilotris- / Ethanol, 2,2',2''-nitrilotri-	(CAS-No.) 102-71-6	0.75	Not classified
Magnesium nitrate	Nitric acid, magnesium salt / Nitric acid, magnesium salt (2:1) / MAGNESIUM NITRATE / Magnesium dinitrate	(CAS-No.) 10377-60-3	0.24	Ox. Sol. 3, H272 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Hexanoic acid, 3,5,5-trimethyl-	3,5,5-Trimethylhexanoic acid	(CAS-No.) 3302-10-1	0.12	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318

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<p>Cuprate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-N29,N30,N31,N32]-, disodium</p>	<p>Acid Blue 87 / C.I. 74180 / C.I. Acid Blue 87 / Cuprate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]-, disodium / Cuprate(2-), [29H,31H-phthalocyanine-disulfonato(4-)-N29,N30,N31,N32]-, disodium / Cuprofix Blue Green B / Direct Blue 86 / Direct Light Turquoise Blue GL / Disodium [29H,31H-phthalocyanine-disulfonato(4-)-N29,N30,N31,N32] cuprate(2-) / Cuprate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]-, sodium (1:2) / C.I. Direct Blue 86 / Copper, (dihydrogen phthalocyanine-disulfonato(2-)), disodium salt / Direct Lightfast Turquoise / Cuprate (2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-N29,N30,N31,N32]-, disodium / C.I. Solvent Blue 38 / Organic dye Direct Lightfast Turquoise / Organic dye Direct Light Blue Lightfast / Organic dye Direct Light Blue Light-Fast / Organic dye Direct Sky-Blue Light-Fast / Disulfo copper phthalocyanine amine salt / Disulfocopperphthalocyanineaminesalt / DIRECT BLUE 86 / CI 74180</p>	<p>(CAS-No.) 1330-38-7</p>	<p>≤ 0.1</p>	<p>Not classified</p>
<p>C.I. Acid Yellow 17, disodium salt</p>	<p>Benzenesulfonic acid, 2,5-dichloro-4-[4,5-dihydro-3-methyl-5-oxo-4-[(4-sulfophenyl)azo]-1H-pyrazol-1-yl]-, disodium salt / Disodium 2,5-dichloro-4-(5-hydroxy-3-methyl-4-(sulphophenylazo) pyrazol-1-yl)benzenesulphonate / C.I. 18965 / CI 18965 / Benzenesulfonic acid, 2,5-dichloro-4-[4,5-dihydro-3-methyl-5-oxo-4-[2-(4-sulfophenyl)diazenyl]-1H-pyrazol-1-yl]-, sodium salt (1:2) / Acid Yellow 17 / C.I. Acid Yellow 17 / Acid Flavine 2G / acid yellow 17</p>	<p>(CAS-No.) 6359-98-4</p>	<p>≤ 0.1</p>	<p>Not classified</p>
<p>Benzenesulfonic acid, 2,2'-[(9,10-dihydro-9,10-dioxo-1,4-anthracenediyl)diimino] bis[5-methyl-, disodium salt</p>	<p>Disodium 2,2'-[(9,10-dioxoanthracene-1,4-diyl)diimino]bis[5-methylsulphonate) / Benzenesulfonic acid, 2,2'-[(9,10-dihydro-9,10-dioxo-1,4-anthracenediyl)diimino] bis[5-methyl-, sodium salt (1:2) / ACID GREEN 25 / Disodium salt of 2,2'-[(9,10-dihydro-9,10-dioxo-1,4-anthracenediyl) diimino]bis-[5-methylbenzenesulfonic acid] / Acid Green 25 / C.I. Acid Green 95 / D and C Green No. 5 / Acid Green Anthraquinone / 2,2'-[(9,10-Dihydro-9,10-dioxo-1,4-anthracenediyl) diimino]bis[5-methylbenzenesulfonic acid), disodium salt / Alizarin Cyanine Green F / Organic dye Chrome Green Anthraquinone / Benzenesulfonic acid, 2,2'-[(9,10-dihydro-9,10-dioxo-1,4-anthracenediyl)diimino] bis[5-methyl-, disodium salt (1:2) / CI 61570 / D and C green no. 5 / C.I. Acid Green 25 / C.I. 61570 / Benzenesulfonic acid, 2,2'-(1,4-anthraquinonylenediimino) bis(5-methyl-, disodium salt / 2,2'-(1,4-Anthraquinonylenediimino)bis(5-methylbenzenesulfonic acid) disodium salt</p>	<p>(CAS-No.) 4403-90-1</p>	<p>≤ 0.1</p>	<p>Aquatic Acute 2, H401 Aquatic Chronic 4, H413 Comb. Dust</p>

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C.I. Acid Yellow 73	Sodium fluorescein / Acid Yellow 73 / 9-o-Carboxyphenyl-6-hydroxy-3-isoxanthone, disodium salt / Disodium 2-(3-oxo-6-oxidoxanthen-9-yl)benzoate / Fluorescein sodium / Fluorescein, disodium salt / Fluorescein, sodium / Sodium salt of hydroxy-o-carboxyphenyl-fluorone / Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-, disodium salt / Uranine Yellow / C.I. 45350 / Spiro[isobenzofuran-1(3H),9'-(9H)xanthen]-3-one, 3',6'-dihydroxy-, disodium salt / Spiro[isobenzofuran-1(3H),9'-(9H)xanthen]-3-one, 3',6'-dihydroxy-, sodium salt (1:2) / ACID YELLOW 73 SODIUM SALT / Fluorescein, disodium / D and C Yellow No. 8 / Uranine A / 2-(6-Hydroxy-3-oxo-(3H)-xanthen-9-yl)benzoic acid disodium salt / Fluorescein sodium salt / Organic dye Uranine A / C.I. 45350:1 sodium salt / Disodium 3-oxo-3H-spiro[isobenzofuran-1,9'-xanthen]-3',6'-diolate / C.I. 45350 sodium / ACID YELLOW 73 / CI 45350 / fluorescein sodium / Acid Yellow 73 sodium salt	(CAS-No.) 518-47-8	≤ 0.1	Not classified
Distillates, petroleum, hydrotreated heavy naphthenic	Distillates, petroleum, hydrotreated heavy naphthenic (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20-50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.) / Petroleum distillate hydrotreated heavy naphthenic / Naphtha, hydrotreated heavy distillate / Distillates (petroleum) hydrotreated heavy naphthenic / Distillates (petroleum), hydrotreated heavy naphthenic / Petroleum distillates, hydrotreated heavy naphthenic	(CAS-No.) 64742-52-5	≤ 0.1	Asp. Tox. 1, H304
3(2H)-Isothiazolone, 5-chloro-2-methyl-	5-Chloro-2-methyl-3-isothiazolone / 5-Chloro-2-methyl-2H-isothiazol-3-one / 5-Chloro-2-methyl-4-isothiazolin-3-one / Isothiazol(2H)-3-one, 5-chloro-2-methyl- / 4-Isothiazolin-3-one, 5-chloro-2-methyl- / Methylchloroisothiazolinone / METHYLCHLOROISOTHIAZOLINONE / 5-Chloro-2-methyl-3(2H)-isothiazolone / 2-Methyl-5-chloroisothiazolin-3-one / 5-Chloro-2-methyl-isothiazolone-3(2H)-one / 2-Methyl-5-chloro-2H-isothiazol-3-one / 3(2H)-Isothiazolon-3-one, 5-chloro-2-methyl- / CIT / 5-Chloro-2-methyl-isothiazolin-3(2H)-one / 5-Chloro-2-methyl-4-thiazoline-3-ketone / 5-Chloro-2-methylisothiazol-3(2H)-one / 2H-Isothiazol-3-one, 5-chloro-2-methyl- / 5-Chloro-2-methylisothiazolone / methylchloroisothiazolinone	(CAS-No.) 26172-55-4	< 0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Magnesium chloride	Magnesium chloride (MgCl <sub>2</sub> ) / MAGNESIUM CHLORIDE / Magnesium chloride, anhydrous / Magnesium dichloride / Magnesium chloride anhydrous / magnesium chloride anhydrous	(CAS-No.) 7786-30-3	< 0.1	Not classified

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3(2H)-Isothiazolone, 2-methyl-	2-Methyl-3-isothiazolone / 3-Isothiazolone, 2-methyl- / 2-Methyl-2H-isothiazol-3-one / 2-Methyl-4-isothiazolin-3-one / 2-Methyl-4-isothiazolone-3-one / Methylisothiazolinone / Methylisothiazolone / Methyl-4-isothiazolin-3-one, 2- / METHYLISOTHIAZOLINONE / MIT / 2-Methyl-2,3-dihydroisothiazol-3-one / 2-Methylisothiazol-3(2H)-one / 3(2H)-Isothiazolon-3-one, 2-methyl- / 2-Methylisothiazolin-3(2H)-one / N-Methyl-isothiazolone / methylisothiazolinone	(CAS-No.) 2682-20-4	< 0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
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Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First-aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**Symptoms/Injuries:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation. May cause sensitisation of susceptible persons by skin contact. Contact with hot liquid may cause thermal burns.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Solutions do not burn. Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** None known.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Product is not flammable.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Metallic oxides.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

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## 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

## 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

## 6.3. Methods and Materials 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:** Clean up spills immediately and dispose of waste safely. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

## 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Contact with hot liquid may cause thermal burns.

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

Plasma Arc Table fluid

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Triethanolamine (102-71-6)		
USA ACGIH	ACGIH OEL TWA	5 mg/m <sup>3</sup>

### 8.2. Exposure Controls

#### Appropriate Engineering Controls

: Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

#### Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles.



#### Materials for Protective Clothing

: Chemically resistant materials and fabrics.

#### Hand Protection

: Wear protective gloves.

#### Eye and Face Protection

: Chemical safety goggles. Faceshield as determined by task.

#### Skin and Body Protection

: Wear suitable protective clothing.

#### Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

#### Thermal Hazard Protection

: If material is hot, wear thermally resistant protective gloves.

#### Other Information

: When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

#### Physical State

: Liquid

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Appearance	: Green liquid
Odor	: Mild.
Odor Threshold	: No data available
pH	: 9
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: > 100 °C (212 °F)
Auto-ignition Temperature	: 410 °C (770 °F)
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor Pressure	: 14.7 kPa
Relative Vapor Density at 20°C	: No data available
Relative Density	: 1.01
Solubility	: Water: Completely soluble
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available
Viscosity, Kinematic	: 34 cSt
<b>9.2. Other Information</b>	
VOC Content	: < 1 % (w/w)

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

### 10.2. Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to Avoid

Contact with incompatible materials.

### 10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers.

### 10.6. Hazardous Decomposition Products

Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>). Metallic oxides.

## 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

<b>Triethanolamine (102-71-6)</b>	
LD50 Oral Rat	6400 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
<b>Hexanoic acid, 3,5,5-trimethyl- (3302-10-1)</b>	
LD50 Oral Rat	1100 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
<b>3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)</b>	
LD50 Oral Rat	481 mg/kg
LC50 Inhalation Rat	1.23 mg/l/4h
ATE (Oral)	100.00 mg/kg body weight
ATE (Dermal)	300.00 mg/kg body weight
<b>3(2H)-Isothiazolone, 2-methyl- (2682-20-4)</b>	
LD50 Oral Rat	120 mg/kg
LD50 Dermal Rabbit	242 mg/kg
LC50 Inhalation Rat	0.11 mg/l/4h

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<b>Magnesium chloride (7786-30-3)</b>	
LD50 Oral Rat	2800 mg/kg (No deaths)
LD50 Dermal Rat	> 2000 mg/kg (No deaths)
<b>Magnesium nitrate (10377-60-3)</b>	
LD50 Oral Rat	5440 mg/kg
<b>Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 5000 mg/kg
LC50 Inhalation Rat	> 5 mg/l/4h
<b>Cuprate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-N29,N30,N31,N32]-, disodium (1330-38-7)</b>	
LD50 Oral Rat	> 5 g/kg
<b>Benzenesulfonic acid, 2,2'-[(9,10-dihydro-9,10-dioxo-1,4-anthracenediyl)diimino]bis[5-methyl-, disodium salt (4403-90-1)</b>	
LD50 Oral Rat	> 10 g/kg
<b>C.I. Acid Yellow 73 (518-47-8)</b>	
LD50 Oral Rat	6721 mg/kg

**Skin Corrosion/Irritation:** Not classified

**pH:** 9

**Serious Eye Damage/Irritation:** Not classified

**pH:** 9

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

<b>Triethanolamine (102-71-6)</b>	
IARC group	3

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation. May cause sensitisation of susceptible persons by skin contact. Contact with hot liquid may cause thermal burns.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

<b>Triethanolamine (102-71-6)</b>	
LC50 Fish 1	10600 (10600 – 13000) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	1386 mg/l
LC50 Fish 2	1000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
ErC50 (Algae)	169 mg/l
NOEC Chronic Crustacea	16 mg/l
<b>3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)</b>	
LC50 Fish 1	1.6 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
EC50 - Crustacea [1]	4.71 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	0.12 (0.12 – 0.3) mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through])
<b>Magnesium chloride (7786-30-3)</b>	
LC50 Fish 1	1970 – 3880 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	140 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

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<b>Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)</b>	
LC50 Fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Benzenesulfonic acid, 2,2'-[(9,10-dihydro-9,10-dioxo-1,4-anthracenediyl)diimino]bis[5-methyl-, disodium salt (4403-90-1)</b>	
LC50 Fish 1	6.2 mg/l (Exposure time: 96 h - Species: Pimephales promelas)

## 12.2. Persistence and Degradability

Tap Magic Plasma Cut	
Persistence and Degradability	Not established.

## 12.3. Bioaccumulative Potential

Tap Magic Plasma Cut	
Bioaccumulative Potential	Not established.
<b>Triethanolamine (102-71-6)</b>	
BCF Fish 1	3.9
Partition coefficient n-octanol/water (Log Pow)	-2.53
<b>Hexanoic acid, 3,5,5-trimethyl- (3302-10-1)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.2 (at 25 °C (at pH 3)
<b>3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	-0.71 – 0.75 (at 20 °C)
<b>3(2H)-Isothiazolone, 2-methyl- (2682-20-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	-0.26 (at 20 °C (at pH 5)
<b>C.I. Acid Yellow 17, disodium salt (6359-98-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	-2.459 (at 20 °C (at pH 6.42)
<b>Benzenesulfonic acid, 2,2'-[(9,10-dihydro-9,10-dioxo-1,4-anthracenediyl)diimino]bis[5-methyl-, disodium salt (4403-90-1)</b>	
Partition coefficient n-octanol/water (Log Pow)	-1.966 (at 20 °C (at pH 7.14)
<b>C.I. Acid Yellow 73 (518-47-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.16 (at pH 5.5)

## 12.4. Mobility in Soil

Tap Magic Plasma Cut	
Ecology - Soil	Adsorbs into the soil. Leaches if exposed to water.

## 12.5. Other Adverse Effects

Other Adverse Effects	: None known.
Other Information	: Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste Treatment Methods

**Waste Treatment Methods:** Can be landfilled or incinerated, when in compliance with local regulations.

**Sewage Disposal Recommendations:** Do not dispose of waste into sewer. Do not empty into drains.

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Additional Information:** No additional information available.

**Ecology - Waste Materials:** Avoid unnecessary release into the environment.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

### 14.1. In Accordance with DOT

Not regulated for transport



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## 14.2. In Accordance with IMDG

Not regulated for transport

## 14.3. In Accordance with IATA

Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

<b>Water (7732-18-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Triethanolamine (102-71-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Hexanoic acid, 3,5,5-trimethyl- (3302-10-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>EPA TSCA Regulatory Flag</b>	PMN - PMN - indicates a commenced PMN substance. SP - SP - indicates a substance that is identified in a proposed Significant New Uses Rule.
<b>3(2H)-Isothiazolone, 2-methyl- (2682-20-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>EPA TSCA Regulatory Flag</b>	PMN - PMN - indicates a commenced PMN substance. SP - SP - indicates a substance that is identified in a proposed Significant New Uses Rule.
<b>Magnesium chloride (7786-30-3)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Magnesium nitrate (10377-60-3)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Cuprate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-N29,N30,N31,N32]-, disodium (1330-38-7)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>C.I. Acid Yellow 17, disodium salt (6359-98-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Benzenesulfonic acid, 2,2'-[(9,10-dihydro-9,10-dioxo-1,4-anthracenediyl)diimino]bis[5-methyl-, disodium salt (4403-90-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>C.I. Acid Yellow 73 (518-47-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	

### 15.2. US State Regulations

<b>Triethanolamine (102-71-6)</b>	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	
U.S. - Massachusetts - Right To Know List	
<b>Magnesium nitrate (10377-60-3)</b>	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	
U.S. - Massachusetts - Right To Know List	

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

<b>Date of Preparation or Latest Revision</b>	: 11/28/2023
<b>Other Information</b>	: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

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### GHS Full Text Phrases:

H272	May intensify fire; oxidizer
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

### NFPA Health Hazard

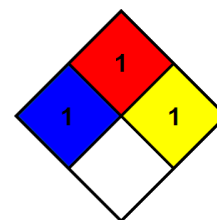
: 1 - Materials that, under emergency conditions, can cause significant irritation.

### NFPA Fire Hazard

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

### NFPA Reactivity Hazard

: 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



### HMIS III Rating

#### Health

: 1 Slight Hazard

#### Flammability

: 1 Slight Hazard

#### Physical

: 1 Slight Hazard

#### Personal protection

: C

*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.*

SDS US (GHS HazCom)