

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 08/08/2020

Reviewed on 08/08/2020

1 Identification

- **Product Identifier**
- **Trade Name:** Rid-A-Guard
- **Index number:** EPA #: 66675-4
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Bactericide / Fungicide
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Magna-Bon II, LLC
1531 NW 25th Drive
Okeechobee, FL 34972
1-863-357-0400 // 1-800-845-1357
www.magnabon.com
- **Emergency telephone number:** 1-800-424-9300 (CHEMTREC, 24 hrs.)

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Corrosion

Met. Corr. 1 H290 May be corrosive to metals.
Skin Corr. 1C H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.



Environment

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



Acute Tox. 4 H302 Harmful if swallowed.
Aquatic Acute 3 H402 Harmful to aquatic life.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard-determining components of labeling:**
Copper Sulfate Pentahydrate
Trade Secret
- **Hazard statements:**
H290 May be corrosive to metals.

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Trade Name: Rid-A-Guard

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H402 Harmful to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

- P234 Keep only in original container.
- P260 Do not breathe dusts or mists.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves / eye protection / face protection.
- P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.
- P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a poison center/doctor.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P363 Wash contaminated clothing before reuse.
- P390 Absorb spillage to prevent material damage.
- P391 Collect spillage.
- P405 Store locked up.
- P406 Store in corrosive resistant container with a resistant inner liner.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.
 0 % of the mixture consists of component(s) of unknown toxicity.

Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA ratings (scale 0 - 4)

HMIS-ratings (scale 0 - 4)

| | | |
|------------|---|---------------------|
| HEALTH | 3 | Health = *3 |
| FIRE | 0 | Fire = 0 |
| REACTIVITY | 0 | Physical Hazard = 0 |

Hazard(s) not otherwise classified (HNOC): None known

3 Composition/Information on Ingredients

Non-hazardous components:

| | |
|--------------------------|---------|
| Non-Hazardous Components | >76.19% |
|--------------------------|---------|

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- **Chemical characterization: Substance**
- **Description:** Mixture of substances listed below with non-hazardous additions.

| · Dangerous Components: | | |
|-------------------------------------|---|--------------|
| CAS: 7758-99-8 RTECS: GL 8800000 | Copper Sulfate Pentahydrate ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302 | 18.81-20.79% |
| | Trade Secret ⚠ Skin Corr. 1A, H314 | <5% |

- **Additional information:**
The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

- **Description of first aid measures**
- **After inhalation:**
Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
- **After skin contact:**
Take off contaminated clothing and shoes immediately. Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. If reddening develops and/or persists, obtain medical attention.
- **After eye contact:**
Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses if present and easy to do so. Get immediate medical attention. Continue rinsing eyes during transport to hospital.
- **After swallowing:**
Rinse mouth with water. Do NOT induce vomiting unless instructed to do so. Give 3-4 glasses of water or milk to dilute stomach contents. Never give anything by mouth to an unconscious person. Contact a Poison Control Center for advice. Get immediate medical attention.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **Special hazards arising from the substance or mixture:**
Copper Oxides
Nitrogen Oxides (NO_x)
Sulfur Oxides
- **Advice for firefighters**
- **Special protective equipment for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

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6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment.
 Keep from contacting skin or eyes.
 Avoid breathing vapors, mist or gas.
 Ensure adequate ventilation.
 Evacuate personnel to safe areas.

- **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.
 Dilute with plenty of water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
 Ensure adequate ventilation.
 Dispose of the collected material according to regulations.
 Neutralize spill with sodium bicarbonate or lime

- **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.

- **Protective Action Criteria for Chemicals**

- **PAC-1:**

| | | |
|-----------|-----------------------------|------------------------|
| 7758-99-8 | Copper Sulfate Pentahydrate | 12 mg/m ³ |
| | Trade Secret | 0.20 mg/m ³ |

- **PAC-2:**

| | | |
|-----------|-----------------------------|-----------------------|
| 7758-99-8 | Copper Sulfate Pentahydrate | 32 mg/m ³ |
| | Trade Secret | 8.7 mg/m ³ |

- **PAC-3:**

| | | |
|-----------|-----------------------------|-----------------------|
| 7758-99-8 | Copper Sulfate Pentahydrate | 190 mg/m ³ |
| | Trade Secret | 160 mg/m ³ |

7 Handling and Storage

- **Handling**

- **Precautions for safe handling:**

Avoid breathing vapors or mist.
 Avoid contact with eyes, skin, or clothing.
 Use approved containers only.
 Keep containers closed when not in use.
 Do not expose containers to open flame, excessive heat, or direct sunlight.
 Do not puncture or drop containers.
 Handle with care and avoid spillage on the floor.
 Keep material out of reach of children.
 Keep material away from incompatible materials.
 Do not use corrosive-sensitive materials such as mild steel.
 Wash thoroughly after handling.
 Ensure adequate ventilation.

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- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
 Keep container tightly closed.
 Avoid inhalation of vapors or mist upon opening container.
 Store in a well-ventilated place.
 Do not store in direct sunlight.
 Store away from strong bases, strong oxidizing agents, organic materials, Carbides, Fulminates, Picrates, Cyanides, Chlorates, Alkali Halides, Azides, Nitromethane, Phosphorous, Cyclopentadiene, Cyclopentanone Oxime, Nitroaryl Amines, Hexalithium Disilicide, Phosphorous(III) Oxide, Hydroxylamine, reactive metals (Zinc & Aluminum) and their alloys (Brass, etc.), powdered metals and metals salts.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**
 The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
 At this time, the remaining constituents have no known exposure limits.

| Trade Secret | |
|---------------------|--|
| PEL | Long-term value: 1 mg/m ³ |
| REL | Long-term value: 1 mg/m ³ |
| TLV | Long-term value: 0.2* mg/m ³ *as thoracic fraction |

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment**
- **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 and wash before reuse.
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Select glove material based on penetration times, rates of diffusion and degradation.

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· **Material of gloves:**

Acid resistant gloves.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**



Goggles with face-shield

· **Body protection:**



Protective work clothing

· **Limitation and supervision of exposure into the environment:**

Keep away from drains, surface and ground waters.

Avoid release into the environment.

9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

Color: Blue

· **Odor:** Mild

· **Odor threshold:** Not determined.

· **pH-value:** 2.05

· **Change in condition**

Melting point/Melting range: Not determined.

Boiling point/Boiling range: 104.4 °C (219.9 °F)

· **Flash point:** None

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** Not applicable

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

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- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapor pressure:** Not determined.
- **Density @ 20 °C (68 °F):** 1.18 g/cm³ (9.8471 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density @ 20 °C (68 °F):** 1.0 g/cm³ (8.345 lbs/gal)
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
 - Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
- **VOC content:** 0.00 %
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Incompatibilities, flames, ignition sources.
- **Incompatible materials:**
 Strong bases, strong oxidizing agents, organic materials, Carbides, Fulminates, Picrates, Cyanides, Chlorates, Alkali Halides, Azides, Nitromethane, Phosphorous, Cyclopentadiene, Cyclopentanone Oxime, Nitroaryl Amines, HExalithium Disilicide, Phosphorous(III) Oxide, Hydroxylamine, reactive metals (Zinc & Aluminum) and their alloys (Brass, etc.), powdered metals and metals salts.
- **Hazardous decomposition products:** Carbon Oxides, Nitrogen Oxides (NO_x) and Sulfur Oxides.

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

7758-99-8 Copper Sulfate Pentahydrate

| | | |
|------|------|-----------------|
| Oral | LD50 | 300 mg/kg (Rat) |
|------|------|-----------------|

Trade Secret

| | | |
|--|---------------|-------------------|
| Oral | LD50 Oral | 2,140 ml/kg (Rat) |
| Inhalative | LC50/96 hours | 375 mg/l (Rat) |
| Sulfuric acid is harmful by all routes of entry. | | |

- **Primary irritant effect:**
- **On the skin:**
 Strong caustic effect on skin and mucous membranes.

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Irritant to skin and mucous membranes.

 · **On the eye:**

Strong irritant with the danger of severe eye injury.

Irritating effect.

Corrosive effect.

Causes serious eye irritation.

 · **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

 · **Carcinogenic categories:**

 · **IARC (International Agency for Research on Cancer):**

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

Trade Secret

3

 · **NTP (National Toxicology Program):**

None of the ingredients are listed.

 · **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

12 Ecological Information

 · **Toxicity:**

 · **Aquatic toxicity:**

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

Trade Secret

EC50 | 22 mg/l (Daphnia)

 · **Persistence and degradability:** No further relevant information available.

 · **Behavior in environmental systems:**

 · **Bioaccumulative potential:** No further relevant information available.

 · **Mobility in soil:** No further relevant information available.

 · **Ecotoxicological effects:**

 · **Remark:** Toxic for fish

 · **Additional ecological information:**

 · **General notes:**

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

Poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

 · **Results of PBT and vPvB assessment:**

 · **PBT:** Not applicable.

 · **vPvB:** Not applicable.

 · **Other adverse effects:** No further relevant information available.

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13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport Information

- **UN-Number:** UN3264
- **DOT, ADR/ADN, IMDG, IATA**
- **UN proper shipping name:** Corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric acid)
- **DOT** UN3264 Corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric acid), ENVIRONMENTALLY HAZARDOUS
- **ADR/ADN** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHURIC ACID, Copper Sulfate Pentahydrate), MARINE POLLUTANT
- **IMDG** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHURIC ACID)
- **IATA** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHURIC ACID)
- **Transport hazard class(es):**
- **DOT**



- **Class:** 8 Corrosive substances
- **Label:** 8

· ADR/ADN



- **Class:** 8 (C1) Corrosive substances
- **Label:** 8

· IMDG



- **Class:** 8 Corrosive substances

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· **Label:** 8

· **IATA**



· **Class:** 8 Corrosive substances
 · **Label:** 8
 · **Packing group:**
 · **DOT, ADR/ADN, IMDG, IATA** III
 · **Environmental hazards:** Product contains environmentally hazardous substances:
 Copper Sulfate Pentahydrate
 Symbol (fish and tree)
 · **Special marking (ADR/ADN):** Warning: Corrosive substances
 · **Special precautions for user:**
 · **Hazard identification number (Kemler code):** 80
 · **EMS Number:** F-A,S-B
 · **Segregation groups:** Acids
 · **Stowage Category:** B
 · **Segregation Code:** SG20 Stow "away from" SGG1-acids
 · **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
 · **Transport/Additional information:**
 · **DOT**
 · **Quantity limitations:** On passenger aircraft/rail: 5 L
 On cargo aircraft only: 60 L
 · **Remarks:** Special marking with the symbol (fish and tree).

· **ADR/ADN**
 · **Excepted quantities (EQ):** Code: E1
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 1000 ml

· **IMDG**
 · **Limited quantities (LQ):** 5L
 · **Excepted quantities (EQ):** Code: E1
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 1000 ml
 · **UN "Model Regulation":** UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULFURIC ACID), 8, III, ENVIRONMENTALLY HAZARDOUS

15 Regulatory Information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
 · **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

Trade Secret

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| | |
|--|-----------------------------|
| · Section 313 (Specific toxic chemical listings): | |
| 7758-99-8 | Copper Sulfate Pentahydrate |
| | Trade Secret |
| · TSCA (Toxic Substances Control Act): | |
| Trade Secret | |
| · California Proposition 65: | |
| · Chemicals known to cause cancer: | |
| None of the ingredients are listed. | |
| · Chemicals known to cause reproductive toxicity for females: | |
| None of the ingredients are listed. | |
| · Chemicals known to cause reproductive toxicity for males: | |
| None of the ingredients are listed. | |
| · Chemicals known to cause developmental toxicity: | |
| None of the ingredients are listed. | |
| · New Jersey Right-to-Know List: | |
| Trade Secret | |
| · New Jersey Special Hazardous Substance List: | |
| Trade Secret | CA, CO, R2 |
| · Pennsylvania Right-to-Know List: | |
| Trade Secret | |
| · Pennsylvania Special Hazardous Substance List: | |
| Trade Secret | E |
| · Carcinogenic categories: | |
| · EPA (Environmental Protection Agency): | |
| None of the ingredients are listed. | |
| · TLV (Threshold Limit Value established by ACGIH): | |
| Trade Secret | A2 |
| · NIOSH-Ca (National Institute for Occupational Safety and Health): | |
| None of the ingredients are listed. | |

 · **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

 · **Hazard pictograms:**

 · **Signal word:** Danger

 · **Hazard-determining components of labeling:**

 Copper Sulfate Pentahydrate
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· Hazard statements:

- H290 May be corrosive to metals.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H402 Harmful to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

· Precautionary statements:

- P234 Keep only in original container.
- P260 Do not breathe dusts or mists.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves / eye protection / face protection.
- P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.
- P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a poison center/doctor.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P363 Wash contaminated clothing before reuse.
- P390 Absorb spillage to prevent material damage.
- P391 Collect spillage.
- P405 Store locked up.
- P406 Store in corrosive resistant container with a resistant inner liner.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:

None of the ingredients are listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of last revision/ revision number:** 08/08/2020 / 2

· Abbreviations and acronyms:

- ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- 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)

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NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Met. Corr. 1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

*** Data compared to the previous version altered.**

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