

SECTION 1: PRODUCT AND COMPANY INFORMATION

| | |
|------------------------------|---|
| Product Name: | Maintainer P |
| Supplier: | ValCool, LLC 5230 Brittmoore Rd Houston, TX 77041 |
| Telephone: | (800) 244-9004 |
| Fax: | (888) 695-6449 |
| Email: | support@valcool.com |
| In case of Emergency: | CHEMTREC 800-424-9300 |
| Product Description | pH booster that increases bio stability. |

SECTION 2: HAZARD IDENTIFICATION

GHS Classification



GHS07
Skin Sens. 1B - H317 - May cause an allergic skin reaction.

GHS Label

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

Hazard pictogram



GHS07

Signal word Warning

Hazard-determining components of labeling

2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol

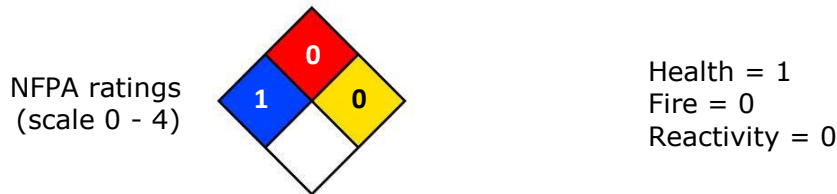
Hazard Statement

May cause an allergic skin reaction.

Precautionary statements

| | |
|------------|--|
| Prevention | Avoid breathing dust/fume/gas/mist/vapors/spray Wear protective gloves |
| Response | Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |

Classification System



HMIS-ratings (scale 0 - 4)

| | | |
|-------------------|----------|----------------|
| Health | 1 | Health = 1 |
| Fire | 0 | Fire = 0 |
| Reactivity | 0 | Reactivity = 0 |

Other hazards Results of PBT and vPvB assessment
 PBT: Not applicable.
 vPvB: Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture
Description: Mixture of the substances listed below with nonhazardous additions.

| Components/Ingredients | CAS No. | % |
|---|-----------|----------|
| 2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol | 4719-04-4 | 2.5-<10% |

SECTION 4: FIRST AID MEASURES

Eye Contact Rinse opened eye for several minutes under running water.

Skin Contact Immediately wash with water and soap and rinse thoroughly.

Ingestion Do not induce vomiting. Seek medical attention immediately.

Inhalation Supply fresh air and to be sure call for a doctor.
 In case of unconsciousness place patient stably in side position for transportation.

Information for doctor:
Most important symptoms/effects, acute and delayed No further relevant information available.

Description of necessary first aid measures / specific treatments No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Suitable extinguishing agents Water, Water Spray, Foam, Dry powder, Carbon Dioxide (CO2).

Special hazards arising from the substance or mixture No further relevant information available

Special Fire Fighting Instructions

Full protective clothing and approved self-contained breathing apparatus if necessary for firefighting personnel.

Protective equipment

No special measures required

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental precautions

Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Ensure adequate ventilation.

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

Handling

Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about protection against explosions and fires Keep container closed when not in use. Store in a cool, dry, well ventilated place away from incompatible materials.

Storage

Requirements to be met by storerooms and receptacles Keep container closed when not in use. Store in a cool, dry, well ventilated place away from incompatible materials.

Information about storage in one common storage facility Keep container tightly closed in a cool, well-ventilated place. Keep away from source of ignition.

Further information about storage conditions Keep receptacle tightly sealed

Specific end use(s) No further relevant information available.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Additional information about design of technical systems - No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information The lists that were valid during the creation were used as basis

Exposure controls

Personal protective equipment

General protective and hygienic measures Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

Eye / Face Protection



Goggles recommended during refilling.

Hand Protection



Protective Gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. When contact is likely wear chemical resistant gloves and boots.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of 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. 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 found out by the manufacturer of the protective gloves and has to be observed.

Respiratory Protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance

| | |
|--|--|
| Form | Liquid |
| Color | Transparent |
| Odor | Pleasant |
| Specific Gravity at 20°C (68°F) | 1.01 g/cm ³ (8.428 lbs/gal) |
| Density | N.D. |
| Evaporation rate | Not determined |
| Flash Point | Not applicable |
| Auto-ignition Temperature | Does not ignite |
| Danger of explosion | No Danger |
| Boiling Point / Range | < 100 °C (< 212 °F) |
| pH- Value at 20 °C (68 °F) | 9.8 |
| Solubility in Water | Soluble |
| Viscosity | |
| Kinematic | Not determined |
| Organic solvents | 0.0 % |
| VOC content | 0(Neat): 115 g/L (Working Solution): 11.5 g/L |
| Other information | No further relevant information available. |

SECTION 10: STABILITY AND REACTIVITY

| | |
|--|--|
| Reactivity | No further relevant information available |
| Chemical Stability | |
| Thermal decomposition Conditions to Avoid | Stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reactions known |
| Conditions to Avoid | No further relevant information available |
| Incompatibility with other Materials | Do not mix with oxidizers |
| Hazardous decomposition materials | Carbon Dioxide and Carbon Monoxide and various unidentified organic hydrocarbons |

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Primary irritant effect

| | |
|---------------|--|
| Eye Contact | Product is classified as moderately irritating to the eyes. |
| Skin Contact | This product is not expected to be toxic in contact with the skin. |
| Sensitization | Sensitization possible through skin contact |

Additional toxicological information

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

Carcinogenic categories

IARC

(International Agency for Research on Cancer)

None of the ingredients is listed.

NTP

(National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca

(Occupational Safety & Health Administration)

None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

| | |
|-------------------------------|---|
| Aquatic toxicity | No further relevant information available |
| 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 |

Additional ecological information

General notes

| | |
|------------------------------------|---|
| Results of PBT and vPvB assessment | PBT: Not applicable. vPvB: Not applicable. |
|------------------------------------|---|

| | |
|-----------------------|---|
| Other adverse effects | No further relevant information available |
|-----------------------|---|



Name: Maintainer P
Revision Date: 11/10/2016 – R1

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SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation Disposal must be made according to official regulations.

Recommended cleansing agent Water, if necessary with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

DOT Classification

UN number Not Regulated

UN proper shipping name Not Regulated

Transport hazard class(es) Not Regulated

Packing group Not Regulated

Environmental Hazards Not applicable.

Special precautions for user Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

UN "Model Regulation" Not Regulated

SECTION 15: REGULATORY INFORMATION

Sara

Section 355 None of the ingredients is listed.
(extremely hazardous substances)

Section 313 None of the ingredients is listed.
(Specific toxic chemical listings)

TSCA All ingredients are listed.
(Toxic Substances Control Act)

Proposition 65

Chemicals known to cause cancer None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females None of the ingredients is listed.

Name: Maintainer P
Revision Date: 11/10/2016 – R1

Chemicals known to cause reproductive toxicity for males None of the ingredients is listed.

Chemicals known to cause developmental toxicity None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency) None of the ingredients is listed

TLV (Threshold Limit Value established by ACGIH) None of the ingredients is listed

NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed

GHS Label

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Hazard pictogram



GHS07

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Hazard Statement May cause an allergic skin reaction.

Precautionary statements

Prevention Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves

Response Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations

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



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SECTION 16: OTHER INFORMATION

Revision Date: 11/10/2016 - 1

Abbreviations and acronyms:

DOT: US Department of Transportation
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)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B

HMIS:

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