# PRIM10412 – COOLING SYSTEM SEALER

## SECTION 1: IDENTIFICATION

### 1.1 PRODUCT IDENTIFIER

| | |
|---|---|
| Product name | Cooling System Sealer |
| Product number | PRIM10412 |
| Brand | Prime Guard |

### 1.4 SUPPLIER'S DETAILS

| | |
|---|---|
| Name | Highline Aftermarket |
| Address | 4500 Malone Road<br>Memphis TN 38118 |
| Telephone | 901-775-5555 |
| email | sds@highlineaftermarket.com |

### 1.5 EMERGENCY PHONE NUMBER(S)

CHEM-TEL (800) 255-3924
24 Hour Assistance

## SECTION 2: HAZARD IDENTIFICATION

**General hazard statement**
"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)**

### 2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

**Precautionary statement(s)**

| | |
|---|---|
| P233 | Keep container tightly closed. |
| P280 | Wear protective gloves/eye protection/face protection. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P501 | Dispose of contents/container to proper receptacle. |

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

Can cause mild skin irritation.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 MIXTURES

**Hazardous components**

**1. Alcohol**

| | |
|---|---|
| Concentration | 0.01 % (weight) |
| EC no. | 200-578-6 |
| CAS no. | 64-17-5 |
| Index no. | 603-002-00-5 |

**2. Microcrystalline cellulose**

| | |
|---|---|
| Concentration | 3 - 4 % (weight) |
| EC no. | 232-674-9 |
| CAS no. | 9004-34-6 |

**3. Isopropyl alcohol**

| | |
|---|---|
| Concentration | 1.1 % (weight) |
| EC no. | 414-810-0 |
| CAS no. | 67-63-0 |
| Index no. | 607-403-00-6 |

**4. Triethanolamine**

| | |
|---|---|
| Concentration | 0.05 % (weight) |
| EC no. | 203-049-8 |
| CAS no. | 102-71-6 |

## SECTION 4: FIRST-AID MEASURES

### 4.1 DESCRIPTION OF NECESSARY FIRST-AID MEASURES

| | |
|---|---|
| If inhaled | Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.<br><br>Acute and delayed symptoms and effects: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain<br><br>Remove person to fresh air. If you feel unwell, get medical attention. |
| In case of skin contact | Take off immediately all contaminated clothing. Wash with plenty of soap and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.<br><br>Acute and delayed symptoms and effects: May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching. |
| In case of eye contact | Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention |
| If swallowed | Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do |

so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor immediately.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED**
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

## SECTION 5: FIRE-FIGHTING MEASURES

**5.1 SUITABLE EXTINGUISHING MEDIA**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Specific hazards arising from the chemical**
Ethanol: Carbon oxides

**5.3 SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS**
Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**
Use water spray to cool unopened containers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**6.2 Environmental precautions**
Do not let product enter drains.

**6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**
Eliminate all sources of ignition. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**Reference to other sections**
For disposal see section 13.

## SECTION 7: HANDLING AND STORAGE

**7.1 PRECAUTIONS FOR SAFE HANDLING**
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash hands with soap and water after handling. Container explosion may occur under fire conditions. Use explosion-proof equipment. Keep away from sources of ignition. No smoking. Take measures to prevent the build-up of electrostatic charge. For precautions see section 2.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Specific end use(s)**

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

**1. Ethyl alcohol (Ethanol) (CAS: 64-17-5)**
PEL (Inhalation): 1000 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1900 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1000 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1000 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): (ST) 1000 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

**2. Cellulose (CAS: 9004-34-6)**
PEL (Inhalation): see PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

**3. Cellulose, Total dust (CAS: 9004-34-6)**
PEL (Inhalation): 15 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 10 mg/m3 (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

**4. Cellulose, Respirable fraction (CAS: 9004-34-6)**
PEL (Inhalation): 5 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5 mg/m3 (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

**5. Isopropyl alcohol (CAS: 67-63-0)**
PEL (Inhalation): 400 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 980 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 400 ppm, (ST) 500 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 400 ppm, (ST) 500 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 200 ppm, (ST) 400 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

**6. Triethanolamine (CAS: 102-71-6 EC: 203-049-8)**
TWA (Inhalation): 5 mg/m3; USA (ACGIH)
USA. ACGIH Threshold Limit Values (TLV)/Eye irritation, Skin irritation

PEL (Inhalation): 5 mg/m3; USA (Cal/OSHA)
California permissible exposure limits for chemical contaminants (Title 8, Article 107)

### 8.2 APPROPRIATE ENGINEERING CONTROLS

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

### 8.3 INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Pictograms**

**Eye/face protection**
Tightly fitting safety goggles. If splash hazard, wear faceshield (8-inch minimum). Use equipment for eye protection that meets the standards referenced by OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

**Skin protection**
Wear protective gloves, such as nitrile gloves.

**Body protection**
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**
Not required under normal use conditions. If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator with organic vapor/acid gas cartridge and particulate filter, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

**Thermal hazards**
No data available.

**Environmental exposure controls**
Do not let product enter drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| Appearance/form (physical state, color, etc.) | Liquid |
| Odor | No data available. |
| Odor threshold | No data available. |
| pH | No data available. |
| Melting point/freezing point | No data available. |
| Initial boiling point and boiling range | No data available. |
| Flash point | No data available |
| Evaporation rate | No data available. |
| Flammability (solid, gas) | No data available. |
| Upper/lower flammability limits | |
| Upper/lower explosive limits | No data available. |
| Vapor pressure | |
| Vapor density | |
| Relative density | < 1.00 |
| Solubility(ies) | No data available. |
| Partition coefficient: n-octanol/water | No data available. |
| Auto-ignition temperature | |
| Decomposition temperature | No data available. |
| Viscosity | No data available. |
| Explosive properties | No data available. |
| Oxidizing properties | No data available. |

**Other safety information**
No data available.

## SECTION 10: STABILITY AND REACTIVITY

**10.1 REACTIVITY**
This material is considered to be non reactive under normal use conditions.

**10.2 CHEMICAL STABILITY**
Stable under normal storage conditions.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS**
No data available.

**10.4 CONDITIONS TO AVOID**
Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

**10.5 INCOMPATIBLE MATERIALS**
Propylene glycol: Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents

Ethanol: Alkali metals, Oxidizing agents, Peroxides

Isopropanol: Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids

Triethanolamine: Acids, Oxidizing agents

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

No data available.

Water: In the event of fire: see section 5

Propylene glycol: Other decomposition products - No data available
In the event of fire: see section 5

Isopropanol: Hazardous decomposition products formed under fire conditions. - Carbon oxides
Other decomposition products - No data available
In the event of fire: see section 5

Triethanolamine: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)
Other decomposition products - No data available
In the event of fire: see section 5

## SECTION 11: TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

**Acute toxicity**
Components:

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.
Acute and delayed symptoms and effects from inhalation, skin and eye contact and ingestion are listed in Section 4.

ATE (dermal) of mixture: 2500 mg/kg
ATE (inhalation, gaseous) of mixture: 5833.33 ppmv
ATE (inhalation, vapor) of mixture: 25 mg/l
ATE (oral) of mixture: 833.33 mg/kg

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Ethanol: ACGIH: A3 Confirmed animal carcinogen with unknown relevance to humans.

**Skin corrosion/irritation**
May cause skin irritation.

**Serious eye damage/irritation**
May cause eye irritation.

**Respiratory or skin sensitization**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Carcinogenicity**
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH,NTP, or EPA classification

**STOT-single exposure**
May cause drowsiness or dizziness

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure

**Aspiration hazard**
May be harmful if swallowed and enters airways

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity**
No data available on product

**Persistence and degradability**
No data available on product

**Bioaccumulative potential**
No data available on product

**Mobility in soil**
No data available on product.

**Results of PBT and vPvB assessment**
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**
No data available on product.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal of the product**
Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

**Disposal of contaminated packaging**
Dispose of as unused product.

## SECTION 14: TRANSPORT INFORMATION

**DOT (US)**
Not dangerous goods

**IMDG**
Not dangerous goods

**IATA**
Not dangerous goods

## SECTION 15: REGULATORY INFORMATION

## 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT IN QUESTION

**California Prop. 65 Components**
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Massachusetts Right To Know Components**
No components are subject to the Massachusetts Right to Know Act.

Chemical name: Ethanol
CAS number: 64-17-5

Chemical name: Cellulose
CAS number: 9004-34-6

Isopropyl alcohol
CAS number: 67-63-0

Triethanolamine
CAS number: 102-71-6

**New Jersey Right To Know Components**
Common name: ETHYL ALCOHOL
CAS number: 64-17-5

Chemical name: Cellulose
CAS number: 9004-34-6

Isopropyl alcohol
CAS number: 67-63-0

Triethanolamine
CAS number: 102-71-6

**Pennsylvania Right To Know Components**
Chemical name: Ethanol
CAS number: 64-17-5

Chemical name: Cellulose
CAS number: 9004-34-6

Isopropyl alcohol
CAS number: 67-63-0

Triethanolamine
CAS number: 102-71-6

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 311/312 Hazards**
No SARA Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Chronic Health Hazard

**SARA 313 Components**
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

The following components are subject to reporting levels established by SARA Title III, Section 313:
Isopropyl alcohol
CAS number: 67-63-0

## SECTION 16: OTHER INFORMATION

### 16.1 FURTHER INFORMATION/DISCLAIMER

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Highline Aftermarket be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Highline Aftermarket has been advised of the possibility of such damages.

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