



## SAFETY DATA SHEET HD-5000

### SECTION 1: IDENTIFICATION

Product Name: HD-5000  
Product Code: C50  
Product Use: Supplemental Coolant Additive  
Manufacturer's Name: E-ZOIL Products, Inc.  
Address: 234 Fillmore Avenue  
Address: Tonawanda, NY 14150 USA  
Business Phone: 855-693-9645  
Emergency Phone: 800-633-8253 PERS  
Date of Preparation: October 1, 2015  
Date of Last Revision: October 1, 2015  
Regulatory Standard: CFR29 1910.1200 HazCom 2012

### SECTION 2: HAZARDS IDENTIFICATION

GHS-US classification  
Skin Irritant 2  
Eye Irritant 2A  
Reproductive Toxicity 1B

Hazard pictograms (GHS-US):



Signal word (GHS-US): Danger

Hazard statements (GHS-US): Causes skin irritation. Causes serious eye irritation. May damage fertility or the unborn child.

Precautionary statements (GHS-US): Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local, regional, national and international regulations.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS	%
Disodium tetraborate pentahydrate	12179-04-3	5 - 10
Sodium nitrite	7632-00-0	5 - 10
Sodium metasilicate	6834-92-0	1 - 4
Sodium hydroxide	1310-73-2	0.5 - 1.5

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

## **SECTION 4: FIRST AID MEASURES**

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First-aid measures after inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
First-aid measures after eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.
First-aid measures after ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### **Most important symptoms and effects, both acute and delayed:**

Symptoms/injuries after inhalation:	May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact:	Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact:	Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/injuries after ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

## **SECTION 5: FIRE FIGHTING MEASURES**

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Suitable extinguishing media:	Treat for surrounding material.
Unsuitable extinguishing media:	None known.
Fire hazard:	Products of combustion may include, and are not limited to: oxides of carbon.
Protection during firefighting:	Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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General measures:	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
For containment:	Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up: Scoop up material and place in a disposal container. Provide ventilation.

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use personal protective equipment as required.

Hygiene measures: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Storage conditions: Keep out of the reach of children. Keep container tightly closed. Store locked up. Store in a cool, dry location. Protect from sunlight.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Disodium tetraborate pentahydrate (12179-04-3)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (inhalable fraction)
ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> (inhalable fraction)
OSHA	Not applicable.	
<b>Sodium nitrite (7632-00-0)</b>		
ACGIH	Not applicable.	
OSHA	Not applicable.	
<b>Sodium hydroxide (1310-73-2)</b>		
ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
<b>Sodium metasilicate (6834-92-0)</b>		
ACGIH	Not applicable.	
OSHA	Not applicable.	

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

Hand protection: Wear chemically resistant protective gloves.

Eye protection: Wear safety glasses or goggles to protect from splashes.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls: Maintain levels below Community environmental protection thresholds.

Other information: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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Physical state:	Liquid
Appearance:	No data available
Color:	Red
Odor:	Mild odor
Odor threshold:	No data available
pH:	11
Melting point:	No data available
Freezing point:	32°F (0°C)
Flash Point:	No data available
Boiling Point:	212°F (100°C)
Relative evaporation rate:	No data available
Flammability (solid, gas):	No data available
Explosive limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Vapor pressure:	1 / 68°F (20°C)
Relative density:	1.15
Relative vapor density at 20 °C:	No data available.
Solubility:	Water > 100 %
Partition coefficient: n-octanol/water:	No data available
Log Kow:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available

## SECTION 10: STABILITY AND REACTIVITY

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Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under normal storage conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Heat.

Incompatible materials: Not applicable.

Hazardous decomposition products: Not applicable.

## SECTION 11: TOXICOLOGICAL INFORMATION

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Acute toxicity: Harmful if swallowed.

<b>HD-5000</b>	
LD50 oral rat	> 2000 mg/kg

LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 20 mg/kg
<b>Disodium tetraborate pentahydrate (12179-04-3)</b>	
LD50 oral rat	2403 mg/kg
<b>Sodium nitrite (7632-00-0)</b>	
LD50 oral rat	180 mg/kg
LC50 inhalation rat	5.5 mg/l/4h
<b>Sodium hydroxide (1310-73-2)</b>	
LD50 dermal rabbit	1350 mg/kg
<b>Sodium metasilicate (6834-92-0)</b>	
LD50 oral rat	1153 mg/kg

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: May damage fertility or the unborn child.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation: May cause irritation to the respiratory tract.

Symptoms/injuries after skin contact: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/injuries after ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

## SECTION 12: ECOLOGICAL INFORMATION

Ecology - general: May cause long-term adverse effects in the aquatic environment.

Persistence and degradability

<b>HD-5000</b>	
Persistence and degradability	Not established.

Bioaccumulative potential

<b>HD-5000</b>	
Bioaccumulative potential	Not established.

Mobility in soil: No additional information available

Other adverse effects: Effect on the global warming – No known ecological damage caused by this product.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

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Waste disposal recommendations: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

Additional information: Handle empty containers with care because residual vapors are flammable.

### **SECTION 14: TRANSPORT INFORMATION**

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Not regulated.

### **SECTION 15: REGULATORY INFORMATION**

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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Federal regulations:

<b>Sodium nitrite (7632-00-0)</b>	
Subject to reporting requirements of United States SARA Section 313	
EPA TSCA Regulatory Flag	S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule
SARA Section 313 - Emission Reporting	1.0 %

State regulations:

<b>HD-5000</b>	
State or local regulations	This product does not contain a chemical known to any state to cause cancer.

### **SECTION 16: OTHER INFORMATION**

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Other information: None.

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