

# Material Safety Data Sheet

Product Trade Name: **DIVERCLEAN HP**

ID: H202P

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

Product Trade Name: DIVERCLEAN HP

### Manufacturer Information

**Heatbath Corporation**

P.O. Box 51048

Indian Orchard, MA 01151-5048

Contact Phone: (413) 452-2000

8:00 AM – 5:00 PM

CHEMTREC Emergency Phone: (800) 424-9300

24 Hours

## \*\*\* Section 2 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
497-19-8	Sodium carbonate	30-60
1310-73-2	Sodium hydroxide	10-30
Proprietary	Surfactant (s)	1-10
7758-29-4	Sodium tripolyphosphate	1-10
7320-34-5	Tetrapotassium pyrophosphate	1-10
527-07-1	Sodium gluconate	1-10
10124-56-8	Sodium hexametaphosphate	1-10

### Additional Information:

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

## \*\*\* Section 3 - Hazards Identification \*\*\*

### Emergency Overview:

DANGER -- CORROSIVE! Contact with this material will cause burns to the skin, eyes and mucous membranes. Prolonged contact with this product may cause allergic skin sensitization reactions.

### Eye Contact:

This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.

### Skin Contact:

Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns. Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction.

### Skin Absorption:

A component in this product may be absorbed through the skin in harmful amounts.

### Ingestion:

This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

### Inhalation:

Dusts and mists (from solutions) can cause irritation of the nose and throat. Inhalation of dusts of this product may result in shortness of breath, limitation of chest expansion, dry cough, and a lessened capacity for work.

### Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin and respiratory disorders.

## \*\*\* Section 4 - First Aid Measures \*\*\*

### Eye Contact:

In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

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## Skin Contact:

For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

## Ingestion:

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

## Inhalation:

If inhaled, immediately remove the affected person to fresh air. Call a physician if symptoms develop or persist.

## First Aid: Notes to Physician

No additional information available.

## \* \* \* Section 5 - Fire Fighting Measures \* \* \*

**Flash Point:** Not applicable

**Method Used:** Not applicable

**Flammability Classification:** Non-flammable

**Upper Flammable Limit (UFL):** Not applicable

**Lower Flammable Limit (LFL):** Not applicable

## Fire & Explosion Hazards:

Not a fire hazard.

## Decomposition Products:

Upon decomposition, product emits acrid, dense smoke with carbon dioxide, carbon monoxide, traces of sulfur oxides, and possible traces of formaldehyde.

## Extinguishing Media:

Use any media suitable for the surrounding fires.

## Fire-Fighting Instructions:

Firefighters should wear full protective clothing including self contained breathing apparatus.

## \* \* \* Section 6 - Accidental Release Measures \* \* \*

Containment and Clean up procedures must be conducted in accordance with all local, state, and federal regulations.

## Containment Procedures:

Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up. Ventilate the contaminated area.

## Clean-Up Procedures:

Sweep up or gather material and place in appropriate container for disposal. Dispose of collected material according to regulation.

## \* \* \* Section 7 - Handling and Storage \* \* \*

## Handling Procedures:

Avoid contact with eyes, skin and clothing. Use this product with adequate ventilation. Do not take internally. For industrial use only. NEVER ADD WATER TO PRODUCT. For dilutions, add product slowly to water while stirring. Use caution; heat may be generated.

## Storage Procedures:

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

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## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Exposure Guidelines:

#### A: General Product Information

Follow all applicable exposure limits.

#### B: Component Exposure Limits

##### Sodium hydroxide (1310-73-2)

ACGIH: C 2 mg/m<sup>3</sup>

OSHA: C 2 mg/m<sup>3</sup>

NIOSH: C 2 mg/m<sup>3</sup>

### Engineering Controls:

Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.

## PERSONAL PROTECTIVE EQUIPMENT

### Eyes/Face Protective Equipment:

Wear chemical goggles; face shield (if splashing is possible).

### Skin Protection:

Use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

### Respiratory Protection:

If ventilation is not sufficient to effectively prevent buildup of dust, appropriate NIOSH/MSHA respiratory protection must be provided.

### Personal Protective Equipment:

Eye wash fountain and emergency showers are recommended.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Physical State:</b>	Solid	<b>Appearance:</b>	Granular, off-white
<b>Odor:</b>	Mild surfactant	<b>Vapor Pressure:</b>	Not determined
<b>Vapor Density:</b>	Not determined	<b>Boiling Point:</b>	Not applicable
<b>Specific Gravity:</b>	Not applicable	<b>pH:</b>	13.5 (solution)
<b>Viscosity:</b>	Not determined	<b>VOC:</b>	Not determined
<b>Solubility Water:</b>	Appreciable	<b>Evaporation Rate:</b>	Not determined
<b>Percent Volatile:</b>	Not determined	<b>Percent Solids:</b>	Not determined

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability:

Stable under normal conditions.

### Conditions to Avoid:

None expected.

### Incompatibility:

This product may react with strong acids. This product may react with strong reducing agents. This product may react with strong oxidizing agents. Adding water to this product may cause localized overheating and splattering.

### Decomposition Products:

Upon decomposition, this product may yield sulfur dioxide, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Thermal decomposition may produce formaldehyde.

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## Hazardous Polymerization:

Will not occur.

### \*\*\* Section 11 - Toxicological Information \*\*\*

#### Acute Toxicity:

##### A: General Product Information

No information available for the product.

##### B: Component Analysis - LD50/LC50

###### Sodium carbonate (497-19-8)

Inhalation LC50 Rat : 2300 mg/m<sup>3</sup>/2H

Inhalation LC50 Mouse : 1200 mg/m<sup>3</sup>/2H

Oral LD50 Rat : 4090 mg/kg

Oral LD50 Mouse : 6600 mg/kg

###### Sodium tripolyphosphate (7758-29-4)

Oral LD50 Rat : 3120 mg/kg

Oral LD50 Mouse : 3100 mg/kg

###### Tetrapotassium pyrophosphate (7320-34-5)

Dermal LD50 Rabbit : >4640 mg/kg

###### Sodium hexametaphosphate (10124-56-8)

Oral LD50 Rat : 6200 mg/kg

Oral LD50 Mouse : 4320 mg/kg

#### Carcinogenicity:

##### A: General Product Information

No information available for the product.

##### B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

#### Chronic Toxicity

No information available for the product.

#### Other Toxicological Information:

None available.

### \*\*\* Section 12 - Ecological Information \*\*\*

#### Ecotoxicity:

##### A: General Product Information

No data available for this product.

##### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

###### Sodium carbonate (497-19-8)

Test & Species

LC50 (96 hr) bluegill

320 mg/L.

Conditions

Static.

###### Tetrapotassium pyrophosphate (7320-34-5)

Test & Species

LC50 (96 hr) rainbow trout

>100 mg/L.

Conditions

EC50 (48 hr) waterflea

>100 mg/L.

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## Environmental Fate:

No data available for this product.

### \*\*\* Section 13 - Disposal Considerations \*\*\*

Wastes must be tested using methods described in 40 CFR Part 261. It is the generator's responsibly to determine if the waste meets applicable definitions of hazardous wastes. State and local regulations may differ from Federal disposal regulations. Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.

### \*\*\* Section 14 - Transportation Information \*\*\*

## US DOT Information

Proper Shipping Name	Sodium Hydroxide, Solid, Mixture
Hazard Class	8
UN / NA Number	UN1823
Packing Group	II
Product RQ (lb)	--

### \*\*\* Section 15 - Regulatory Information \*\*\*

## US Federal Regulations

### A: General Product Information

No additional information available.

### B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

#### Sodium hydroxide (1310-73-2)

CERCLA: final RQ = 1000 pounds (454 kg)

#### Sodium tripolyphosphate (7758-29-4)

CERCLA: final RQ = 5000 pounds (2270 kg) (Listed under 'Sodium phosphate, tribasic')

#### Sodium hexametaphosphate (10124-56-8)

CERCLA: final RQ = 5000 pounds (2270 kg) (Listed under 'Sodium phosphate, tribasic')

#### Glycol ether (NOT AVAILABLE)

SARA 313: form R reporting required for 1.0% de minimis concentration (applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR' ethers, where n = 1,2, or 3'; R=alkyl C7 or less or R = phenyl or alkyl subst. phenyl; R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate) (related to Glycol ethers)

CERCLA: (Includes mono- and di- ethers of ethylene glycol; diethylene glycol and triethylene glycol R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR' where n = 1 2 or 3; R = alkyl or aryl groups; R' = R h or groups which when removed yield glycol ethers with the structure R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OH. Polymers are excluded from glycol category); Statutory RQ = 1 pound (.454 kg); no final RQ is being assigned to the generic or broad class (related to Glycol ethers)

**SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No Reactive: Yes**

## State Regulations

### A: General Product Information

This product contains trace amounts of ethylene oxide (75-21-8) and 1,4 dioxane (123-91-1). This product contains trace levels of formaldehyde (50-00-0). This product contains trace amounts of acetaldehyde (75-07-0).

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## B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Sodium hydroxide	1310-73-2	Yes	Yes	Yes	Yes	Yes	Yes
Sodium tripolyphosphate	7758-29-4	Yes	No	Yes	No	Yes	Yes
Sodium hexametaphosphate	10124-56-8	Yes	No	Yes	No	Yes	Yes
Glycol ether (* related to Glycol ethers)	NOT AVAILABLE	No	No	No	No	No	Yes <sup>1</sup>

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

## Other Regulations

### A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

### B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Sodium carbonate	497-19-8	Yes	Yes	Yes
Sodium hydroxide	1310-73-2	Yes	Yes	Yes
Sodium tripolyphosphate	7758-29-4	Yes	Yes	Yes
Tetrapotassium pyrophosphate	7320-34-5	Yes	Yes	Yes
Sodium hexametaphosphate	10124-56-8	Yes	Yes	Yes
Sodium gluconate	527-07-1	Yes	Yes	Yes

### C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Sodium carbonate	497-19-8	1% item 1431 (392)
Sodium hydroxide	1310-73-2	1% item 1442 (998)

## \* \* \* Section 16 - Other Information \* \* \*

**NFPA Ratings: Health: 3 Fire: 0 Reactivity: 1 Other:**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**HMIS Ratings: Health: 3 Fire: 0 Reactivity: 1 Pers. Prot.:**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

### MSDS Change History:

5/19/03: Rev.03; MSDS as issued by Chemtech Finishing Systems.

1/18/05: Chemtech Finishing Systems acquired by Heatbath Corporation.

3/30/05: Rev.04; Chemtech MSDS issued under new manufacturer: Heatbath Corporation.

Sec.1 - Manufacturer Information Updated

Sec.16 - MSDS Change History section added

Sec.16 - Contact Information Updated

**Key/Legend:**

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ACGIH = American Conference of Governmental Industrial Hygienists	NFPA = National Fire Protection Association
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act	NIOSH = National Institute for Occupational Safety and Health
EPA = Environmental Protection Agency	NTP = National Toxicology Program
HMIS = Hazardous Material Identification System	OSHA = Occupational Safety and Health Administration
IARC = International Agency for Research on Cancer	SARA = Superfund Amendments and Reauthorization Act
MSHA = Mine Safety and Health Administration	TSCA = Toxic Substance Control Act

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Heatbath Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

**Contact:** Jeff Szotek  
**Contact Phone:** (413) 452-2000

This is the end of MSDS for DIVERCLEAN HP.