

# Canberra

## CANBERRA CORPORATION

### SAFETY DATA SHEET

#### 1. Identification

**Product Identifier:** HUSKY OPTIMUM® 205 BREAK pH BOOSTER

**Application or recommended use:** Laundry additive

**Restrictions on use:** Do not use in any fashion not specified on the product label.

**Manufacturer / supplier:** Canberra Corporation

3610 N. Holland-Sylvania Rd.

Toledo, Ohio 43615 USA

**Telephone:** 419-841-6616 **Emergency phone:** 800-832-8992 **National Poison Center:** 800-222-1222

#### 2. Hazards Identification

**GHS Classification:** Classification of this mixture in accordance with paragraph (d) of §1910.1200.

Skin Corrosion/Irritation - Category 1B

Eye Damage/Irritation - Category 1

Corrosive to Metals - Category 1

#### **Label Elements:**



Symbol:

Signal word:

**DANGER**

Hazard statements: Causes severe skin burns and serious eye damage. May be corrosive to metals.

Precautionary statements: Do not breathe mist/vapors/spray.

Wash hands, face and any skin contact thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **Immediately call a POISON CENTER or doctor/physician.**

See 4. First-Aid Measures for specific treatment.

Absorb spillage to prevent material damage.

Store locked up. Store in corrosion resistant container.

Dispose of contents/container to an approved disposal facility.

Keep in original container or other corrosive resistant container.

**Other Hazards:** None known

#### 3. Composition / Information on Ingredients

**Chemical characterization:** Dilute sodium hydroxide solution, blended with detergents and auxiliary agents.

**Hazardous ingredients:** The exact percentage of composition has been withheld as a trade secret.

10 - 25% Potassium hydroxide CAS 1310-58-3, EINECS/ELINCS 215-181-3

5 - 15% Sodium hydroxide CAS 1310-73-2, EINECS/ELINCS 215-185-5

1 - 5% Etidronic acid CAS 2809-21-4, EINECS/ELINCS 220-552-8

1 - 5% Alkyl polyglucoside CAS 68515-73-1, EINECS/ELICS 500-220-1

1 - 5% Alkyl polyglucoside CAS 110615-47-9, EINECS/ELICS 600-975-8

**Other ingredients (> 1%):**

>50% Water CAS 7732-18-5, EINECS/ELINCS 231-791-2

#### 4. First-Aid Measures

**Symptoms:** Causes irritation or burning sensation. Causes severe skin burns and serious eye damage.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth to an unconscious person. If respiratory irritation, dizziness, or unconsciousness occurs, seek immediate medical assistance.

**Skin Contact:** Remove contaminated clothing and wash before reuse. Wash contaminated area with soap and water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

#### **4. First-Aid Measures (cont.)**

**Eye Contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Ingestion:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to a person who is unconscious or convulsing. If vomiting occurs, keep head below hips to reduce risk of aspiration. Probable mucosal damage may contraindicate the use of gastric lavage.

**Note to Physician:** Treat exposed patients symptomatically.

#### **5. Fire-Fighting Measures**

**Suitable Extinguishing Media:** Not applicable. Product is not a fire hazard.

**Unsuitable Extinguishing Media:** High pressure water jet.

**Specific hazards in case of fire:** None known.

**Special Fire Fighting Precautions:** Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

#### **6. Accidental Release Measures**

**Emergency Procedures:** Depending on the extent of release, consider the need for emergency responders with adequate personal protective equipment for clean up, need for evacuation or restriction of access to spill area.

**Personal Precautions:** Do not eat, drink or smoke during clean up. Wear protective clothing, eye protection and impervious gloves (e.g. neoprene). Wash thoroughly after clean up.

**Environmental Precautions:** Prevent spills from entering storm sewers/drains or contact with soil.

**Clean up Methods:** Small spills may be wiped up and rinsed with water. For larger spills, contain spill with inert material (sand, clay). Transfer material to labeled containers for recovery or proper disposal. After removal, flush area with water. Follow good industrial hygiene practices.

#### **7. Handling and Storage**

**Precautions for Safe Handling:** Read label before use. Avoid contact with skin or eyes. Do not breathe mist/vapors. Wash hands, face and any skin contact thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, eye protection, face protection. Use product only according to label directions. If unsure about safe use, contact your supervisor. Use only in a well-ventilated area.

**Conditions for Safe Storage:** Keep out of reach of children. Do not contaminate water, food or feed by storage and disposal. Store locked up in tightly closed, original container in a cool (10° - 30°C), dry area.

**Incompatibility:** Acids, oxidizers. Do not mix with anything but water.

#### **8. Exposure Controls / Personal Protection**

**Components with occupational exposure limits:**

Component	Reference	TWA	PEL
Sodium hydroxide	ACGIH	2 mg/M <sup>3</sup>	
	OSHA		2 mg/M <sup>3</sup>
Potassium hydroxide	ACGIH	2 mg/M <sup>3</sup> (ceiling)	
	OSHA		2 mg/M <sup>3</sup> (ceiling)(vacated)

**Engineering Controls:** Proper ventilation in accordance with good industrial hygiene should be provided.

##### **Personal Protective Equipment**

**Respiratory:** Respiratory protection is not necessary under normal conditions of use. If necessary to prevent exposure above occupational limits, use an approved cartridge style respirator.

**Gloves:** Use water impervious gloves (latex or neoprene rubber). No breakthrough time has been established.

**Eye Protection:** Chemical resistant goggles and face protection.

**Other:** Protective clothing (long sleeves, pants), eyewash, safety shower are always advisable when working with chemicals.

#### **9. Physical and Chemical Properties**

<b>Physical State</b> - Liquid	<b>Auto-ignition temperature</b> - Not applicable
<b>Color</b> - Dark Blue	<b>Flash Point</b> - None
<b>Odor</b> - None	<b>Flammability</b> - Not applicable
<b>Odor Threshold</b> - No data available	<b>Flammability Limits</b> - Not applicable
<b>Boiling Point</b> - 212°F	<b>Partition coefficient</b> - Not applicable
<b>Decomposition temperature</b> - No data available	<b>Solubility (Water)</b> - Complete
<b>Freezing Point</b> - 32°F	<b>Vapor Density</b> - No data available
<b>pH (Neat)</b> - 13.0 – 14.0	<b>Vapor Pressure</b> - No data available
<b>Relative Density</b> - 1.15 – 1.20	<b>Viscosity</b> - Water thin
<b>Evaporation Rate</b> - Similar to water	<b>% VOC</b> - < 0.5 (Excluding exempt material)

## **10. Stability and Reactivity**

**Reactivity:** No specific reactivity test data is available for this mixture. Under normal conditions of storage and use, hazardous reactions are not expected. **Incompatible materials:** Acids, Oxidizers.

**Chemical stability:** This product is stable at ambient temperatures and atmospheric pressures.

**Conditions to avoid:** Temperatures above 50°C or below 10°C.

**Hazardous decomposition products:** None known.

## **11. Toxicological Information**

**Acute Toxicity:** Toxicity data is not available for this mixture. Data below are estimates based on summation methods.

Test	Results	Classification (A.0.4.1(c))	Basis (A.1.3.6.1)
Oral	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Dermal	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Inhalation	> 20 mg/L	Not applicable	Ingredient literature (Additive formula)
Eye Damage/Irritation	Corrosion	Category 1	Ingredient literature
Skin Damage/Irritation	Corrosion	Category 1B	Ingredient literature

**Summary:** Skin and eye contact are most likely routes of exposure. Exposure causes skin burns and serious eye damage.

### **Subchronic/Chronic Toxicity:**

Test	Results	Classification	Basis
Skin Sensitization	Not a sensitizer	Not applicable	Ingredient literature.

**Summary:** Repeated or prolonged contact causes skin burns and serious eye damage.

**Carcinogens** - Ingredients are not listed on the NTP Report on Carcinogens, IARC Monographs or by OSHA

**Other data** - No other toxicological information is available for this mixture.

## **12. Ecological Information**

This material has not been tested for acute environmental effects.

**Persistence and degradability:** Material is not persistent. All organic components > 1% are readily biodegradable.

**Bio-accumulative potential:** No evidence to suggest bio-accumulation will occur.

**Mobility:** Accidental spillage may lead to penetration of soil and groundwater.

## **13. Disposal Considerations**

RCRA Class - D002. Do not contaminate water, food or feed by disposal. If these materials cannot be disposed of by use according to label directions, contact your State Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance. Rinse container promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill. If container is one gallon or less, wrap empty container in plastic bag and discard in trash.

## **14. Transport Information**

**Proper Shipping Name:** UN3266 Corrosive Liquid, basic, inorganic, n.o.s. (sodium hydroxide, potassium hydroxide)

**RQ** - 1000 Lbs. (Sodium hydroxide), 1000 Lbs. (Potassium hydroxide)

**Shipping emergency phone:** 800-424-9300

**Transport hazard class:** 8 **Hazard Label:** Corrosive (When shipped as a Limited Quantity, labeling is not required.)

**Packing Group:** II **Emergency Guide No.:** 154 **Marine Pollutant:** No

## **15. Regulatory Information**

**Inventory status:** All components are listed on TSCA(US), EINECS/ELINCS(EU), DSL(Canada), AICS(Australia), ENCS(Japan).

**OSHA Hazard Communication Standard:** This product meets the §1910.1200 definition of a "Hazardous Chemical".

### **Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Sections 311 and 312**

<b>Immediate (Acute) Health Hazard</b>	Yes	<b>Delayed (Chronic) Health Hazard</b>	No
<b>Fire Hazard</b>	No	<b>Reactive Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No		

### **Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Section 313**

\*Chemicals marked with an asterisk in "**3. Composition/Information on Ingredients**" are subject to reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR Part 372.

### **Pennsylvania/New Jersey/Massachusetts Right to Know**

See "**3. Composition/Information on Ingredients**" for hazardous and top five ingredients over 1% (w/w).

**California Proposition 65:** This product does not contain a listed substance known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

**16. Other information****Date issued:** 20. 07. 2018

F205-001

**Revision:** 15. 01. 2020**Revision:** 25. 06. 2020

**Disclaimer: No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, is made with respect to information concerning the product referred to in this document.** The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the use of this product. All chemicals present some degree of hazard and should be used with caution. The information and recommendations contained herein are presented in good faith. The user should review this information in conjunction with their knowledge of the application intended to determine the suitability of this product for such purpose. In no event will the supplier be responsible for any damages of any nature whatsoever, resulting from the use, reliance upon, or the misuse of this information. Furthermore, it is the direct responsibility of the user to comply with all applicable regulations governing the use and disposal of this material. **Prepared by:** R&D, Canberra Corporation