



CLAX SOIL GONE ENZYME PRESOAK

HMIS		NFPA	Personal protective equipment
Health	3	3	
Flammability	0	0	
Physical Hazard / Instability	0	0	

Version Number: 1

Preparation date: 2014-01-08

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: CLAX SOIL GONE ENZYME PRESOAK
MSDS #: MS0301037
Product Code: 3703289
Recommended use:

- Industrial/Institutional
- Laundry care
- This product is intended to be diluted prior to use

Manufacturer, importer, supplier: Canadian Headquarters
 US Headquarters
 Diversey, Inc.
 8310 16th St.
 Sturtevant, Wisconsin 53177-1964
 Phone: 1-888-352-2249
 MSDS Internet Address: www.diversey.com
Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER. CORROSIVE. CAUSES SKIN AND EYE BURNS. HARMFUL OR FATAL IF SWALLOWED. Contains enzymes which may produce respiratory allergy if inhaled in spray or dust.

Principal routes of exposure: Eye contact. Skin contact. Inhalation.
Eye contact: Corrosive. Causes permanent eye damage, including blindness.
Skin contact: Corrosive. Causes permanent damage.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract. Contains enzymes which may produce respiratory allergy if inhaled in spray or dust.
Ingestion: Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Sodium carbonate	497-19-8	60 - 70%	4090	Not available	≈2300 mg/m ³ (2 h)
Sodium metasilicate	6834-92-0	20 - 30%	1152	Not available	Not available
Sodium tetraborate	1303-96-4	5 - 10%	Not available	>2000 mg/kg	Not available
Enzymes	Proprietary	0.1 - 1.5%	3700	Not available	Not available
Titanium dioxide	13463-67-7	0.1 - 1.5%	10000	Not available	Not available

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with running water for 15-20 minutes, keeping eyelids open. Get medical attention immediately.
Skin contact: Immediately flush with plenty of water for 15-20 minutes. Get medical attention immediately.
Inhalation: If breathing is affected, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If swallowed, rinse mouth. Give a cupful of water or milk. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Extinguishing media which must not be used for safety reasons: None.

Specific hazards: Enzyme - dust and aerosols may cause allergic respiratory reaction.

Unusual hazards: Corrosive material (See sections 8 and 10).

Specific methods: None known.

Special protective equipment for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. In case of an incident in a confined area wear suitable respiratory protection. Avoid stepping on or crushing product on the ground which may create dust. Cover skin, eyes, and respiratory passages.

Environmental precautions and clean-up methods: Remove immediately by using vacuum with filter or mopping or washing. Sweeping, blowing, splashing, or high-pressure flushing should be avoided as this creates dust or aerosols. Remove and wash contaminated clothing.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Do not taste or swallow. Do not spray or create dust or aerosols. Do not breathe dust or mist. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage: Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

Eye protection: Chemical-splash goggles.

Hand protection: Chemical-resistant gloves

Skin and body protection: Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Sodium tetraborate	1303-96-4	6 mg/m ³ (STEL) 2 mg/m ³ (TWA)		5 mg/m ³ (TWA)
Enzymes		0.00006 mg/m ³ (Ceiling)		
Titanium dioxide	13463-67-7	10 mg/m ³ (TWA)	15 mg/m ³ (TWA)	20 mg/m ³ (STEL) 10 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Granules

Appearance: Solid

Specific gravity: 1.14

Vapor density: No information available

Boiling point/range: Not determined

Decomposition temperature: Not determined

Solubility: Partially Soluble

Solubility in other solvents: No information available

Partition coefficient (n-octanol/water): No information available

Elemental Phosphorus: 0.00 % by wt.

pH: Not applicable

Explosion limits: - upper: Not determined - lower: Not determined

Bulk density: No information available

Evaporation Rate: No information available

Color: Opaque, Off-White

Odor: Characteristic

Melting point/range: Not determined

Autoignition temperature: No information available

Density: 9.51 lbs/gal 1.14 Kg/L

Flash point: Not applicable

Viscosity: No information available

VOC: 0 % *

Dilution pH: 11.37 @ 1:166

10. STABILITY AND REACTIVITY

Stability: Stable
Polymerization: None under normal processing.
Hazardous decomposition products: None reasonably foreseeable.
Materials to avoid: Acids. Metals.
Conditions to avoid: Do not mix with any other product or chemical.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Corrosive. Oral LD50 estimated to be between 2000 - 3000 mg/kg; Dermal LD50 estimated to be > 2000 mg/kg
Component Information: See Section 3.
Chronic toxicity: None known
Specific effects
Carcinogenic effects: • None known
Mutagenic effects: None known
Reproductive toxicity: Animal oral toxicity studies in a number of species, at high doses, suggest that borates cause reproductive and developmental effects
Target organ effects: None known

Ingredient(s)	CAS #	NTP	IARC	OSHA
Titanium dioxide	13463-67-7		2B	X

12. ECOLOGICAL INFORMATION

Environmental Information: No data available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

RCRA Hazard Class (undiluted product): Not Regulated

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: Please refer to the Diversey HazMat Library, only available through Internet Explorer, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

DOT (Ground) Bill of Lading Description: UN3253, DISODIUM TRIOXOSILICATE MIXTURE, 8, III

IMDG (Ocean) Bill of Lading Description: UN3253, DISODIUM TRIOXOSILICATE MIXTURE, 8, III

15. REGULATORY INFORMATION

International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65.

RIGHT TO KNOW (RTK)

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Sodium carbonate	497-19-8	-	-	-	-
Sodium metasilicate	6834-92-0	-	-	-	-
Sodium tetraborate	1303-96-4	X	X	X	-
Alcohol ethoxylate	68002-97-1	-	-	-	-
Sodium carboxymethyl cellulose	9004-32-4	-	-	-	-
Enzymes	Proprietary	-	-	-	-

Titanium dioxide	13463-67-7	X	X	X	-
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CERCLA/ SARA

None

SARA 311/312 Hazard Categories

Immediate: X
 Delayed: -
 Fire: -
 Reactivity: -
 Sudden Release of Pressure: -

Canada

WHMIS hazard class: E Corrosive material.



Natural Products Number: -

16. OTHER INFORMATION

Reason for revision: Not applicable
 Prepared by: NAPRAC
 Additional advice: • This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations

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