

Conforms to 91/155/EC-2001/58/EC - United Kingdom (UK)

SAFETY DATA SHEET

ENZ-SOIL ONE

1 Identificatic Identification of the substance/preparation and of the company

Product Name **ENZ-SOIL ONE** Manufacturer: CFR, A Tacony Company
3101 Wichita Court
Fort Worth, TX 76140-1710
800-880-2913 EXT 150

Supplier: CFR, A Tacony Company
3101 Wichita Court
Fort Worth, TX 76140-1710
800-880-2913 EXT 150

Emergency telephone number:

Material uses: Alkaline Cleaner

2 Composition/information on ingredients

Substance/Preparation: Preparation

Chemical Name	CAS no.	%	EC Number	Classification
Sodium carbonate	497-19-8	10--30	207-838-8	X _i , R36/38
Sodium sesquicarbonate	533-96-0	30--60	208-580-9	X _i , R36/38
Benzenesulfonic acid, dodecyl(Sulfo-phenoxy) disodium salt	28519-02-0	1--5	249-063-8	X _i , R36
Alpha amylase	9000-90-2	1--5	232-565-6	X _n , R42
Subtilisin protease enzyme	9014--01-1	1--5	232-752-2	X _i , R37/38, R41, R42

* Occupational Exposure Limits, if available, are listed in Section 8

3 Hazards Identification

This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments

Classification

Effects and Symptoms

Inhalation: May cause respiratory tract irritation. May cause sensitization by inhalation.

Ingestion: Harmful if swallowed. May cause stomach distress, nausea, or vomiting.

Skin Contact: May cause skin irritation. Skin inflammation is characterized by itching, scaling, reddening, or occasionally blistering. Non sensitizer for skin.

Eye Contact: May cause eye irritation.

4 First-aid Measures

First-aid measures

Inhalation: If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconcious person. If large quantities of this material are swallowed, call a physician immediately.

Skin Contact: Immediately flush skin with plenty of water. Cold water may be used. Obtain medical attention.

Eye contact: Check for, and remove any contact lenses. Immediately flush eyes with copious amount of water for 15 minutes. Cold water may be used. Obtain medical attention.

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5 Fire-fighting measures

Extinguishing Media

Suitable: Dry chemical foam, carbon dioxide, water mist or fog.

Special fire-fighting procedures: Fire fighters should wear self contained breathing apparatus (SCBA) and full turn-out gear.

6 Accidental release measures

Personal Precautions: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing may not be sufficient. Consult a specialist for handling this product.

Environmental precautions and cleanup methods Use broom or dry vacuum to collect material without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Note: See section 8 for personal protective equipment and section 13 for waste disposal

7 Handling and storage

Handling: Do not ingest. Do not breath gas/fumes/ vapour/spray. Wear protective clothing. If ingested, seek medical advice immediately. Avoid contact with skin or eyes. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well ventilated area.

Packaging materials

Recommended use: Use original container.

8 Exposure controls/personal protection

Engineering measures: Provide exhaust ventilation or other engineering controls to keep the the airborne concentrations of vapours below the respective threshold limits.

Hygiene measures: Wash hands after handling compounds and before eating, smoking, using lavatory and at the end of the day.

Ingredient Name	Occupational Exposure Limits
Sodium carbonate	Not available
Sodium sesquicarbonate	Not available
Benzenesulfonic acid, dodecyl(sulfo-phenoxy)-disodium salt	Not available
Alpha amylase	Not available
Subtilisin protease enzyme	Not available

Personal protective equipment

Respiratory system: Respirator not normally required if ventilation is sufficient.

Skin and body: Lab coat.

Hands: Rubber gloves.

Eyes: Safety glasses

9 Physical and chemical properties

Physical state: Powder (solid)

Colour: White with blue flecks

Odour: Slight organic

pH: 10.0-10.2 (1% solution)

Boiling point: Not applicable.

Melting point: Not applicable.

Flash point: None

Explosive properties: Risks in presence of mechanical impact: Not known.

Risks in presence of static discharge: Not known.

Oxidizing properties: None

Vapour pressure: Not applicable.

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ENZ-SOIL ONE**9 Physical and chemical properties continued**

Specific Gravity: 0.75-0.85
 Solubility: Readily soluble in water up to approximately 5%.
 Vapour density: Not applicable
 Evaporation rate(butyl acetate=1): Not applicable.

10 Stability and reactivity

Stability: The product is stable.
 Materials to avoid: Reactive with acids, oxidizing agents, caustics, and reducing agents.

11 Toxicological informationAcute Toxicity

<u>Ingredient Name</u>	<u>Test</u>	<u>Results</u>	<u>Route</u>	<u>Species</u>
Benzenesulfonic acid, dodecyl(Sulfo-phenoxy)-disodium salt	LD-50	2000 mg/kg	oral	Rat
Sodium carbonate	LD-50	117 mg/kg	oral	Mice

Local effects:

Skin irritation: May cause skin irritation upon contact.
 Eye Irritation: May cause severe eye irritation.
 Sensitization: Non sensitizer to skin. May cause sensitization by inhalation.

Chronic Toxicity

Developmental and teratogenic effects: Not available.

12 Ecological Information**13 Disposal considerations**

Methods of disposal: Waste of residues: Waste must be disposed of in accordance with federal and local environmental control regulations.
 Contaminated packaging: and local environmental control regulations.
 Waste Classification: Not available
 European Waste Catalogue(EWC): Not available.
 Hazardous Waste: To present knowledge of supplier, this product is not regarded as hazardous waste per EU Directive 94/904/EC

14 Transport informationInternational transport regulations

<u>Regulatory Information</u>	<u>UN Number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packaging group</u>	<u>Label</u>	<u>Additional Information</u>
ARD/RID Class	Not regulated					
ADN Class	Not regulated					
IMDG Class	Not regulated					
IATA-DGR Class	Not regulated					

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15 Regulatory information

EU Regulations

Safety phrases:

Product use: Classification and labeling have been performed according to EU Directives 67/548/EEC, 88/379/EEC, including amendments and the intended use. Industrial applications.

National regulations

VOC Content (Retail use):

VOC Content (Industrial use): Contains < 0.1% VOC

Hazard symbols:

Risk phrases: Product is not classified according to EU regulations.

16 Other information

Full text of R phrases with no. appearing in Section 2- (UK) R36- Irritating to eyes.
R36/38- Irritating to eyes and skin.
R41-Risk of serious damage to eyes
R42-May cause sensitization by inhalation

Text of classifications in Section 2- (UK)

History

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Prepared by: CFR, A Tacony Company

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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