

Defunkify Dish Washing Detergent – Free & Clear

SAFETY DATA SHEET

Mixture.

None known.

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1. SECTION 1: CHEMICAL/MIXTURE IDENTIFICATION

1.1 Product identifier Product Name CAS No.

1.2

- Relevant identified uses of the substance or mixture and uses advised against Identified use(s) Dish washing detergent
- Uses advised against
- **1.3 Details of the supplier of the product** Company Identification

Telephone

E-mail

- **1.4** Emergency telephone number Emergency Phone No.
- 1.5 Contact E-mail

Info@defunkify.com

(800) 424-9300 [CHEMTREC]

2. SECTION 2: HAZARDS IDENTIFICATION

"Consumer Products", defined by the US Consumer Product Safety Act and are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided to assist in the safe handling and proper use of the product.

2.1 Classification of the substance or mixture

GHS 29 CFR 1910.1200

2.2 Label elements

Hazard pictogram(s)

Signal word(s) Hazard statement(s)

Precautionary statement(s)

None.

Warning H316 – Skin Corrosion/Irritation – Category 3

H320 – Serious Eye Damage/Irritation – Category 2B

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IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Rinse cautiously with water for several minutes. If eye irritation persists: get medical advice/attention.

IF SWALLOWED: Drink plenty of water. Do NOT induce vomiting. Call a poison center or doctor if you feel unwell.

IF ON SKIN: Rinse with plenty of water. If skin irritation occurs: get medical advice/attention.

IF INHALED: N/A

None.

None.

2.3 Other hazards

Additional Information

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures 29CER 1910 1200

2.4

Ingredient(s)	%W/W	CAS No.
Sodium citrate	20 - 30	6132-4-3
Sodium carbonate	15 - 25	497-19-8
Sodium percarbonate	10 - 20	15630-89-4
Potassium carbonate	2 - 10	584-08-07
Sodium sulfate	2 - 10	7757-82-6
Sodium gluconate	2 - 10	527-07-1
Sodium silicate (hydrous)	2 - 10	1344-09-08
Protease enzyme	1 - 3	9001-92-7
Carboxymethyl inulin (CMI)	1 - 3	430439-54-6
Tetrasodium glutamate diacetate (GLDA)	1 - 3	51981-21-6
Sodium C14-C16 olefin sulfonate	1 - 3	68439-57-6
Lauryl/myristyl glucoside	1 - 3	110615-47-9
Sorbitan laurate	0.5 - 1.5	1338-39-2
Amylase enzyme	0.1 - 1.0	9000-90-2
Tetraacetylethylenediamine (TAED)	0.1 - 1.0	10543-57-4

3.2 Additional Information

None.

5. 5.1

4. SECTION 4: FIRST AID MEASURES

4.1	Description of first aid measures	
	Inhalation	N/A
	Skin Contact	Rinse with plenty of water. If skin irritation occurs: get medical advice/attention.
	Eye Contact	Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Rinse cautiously with water for several minutes. If eye irritation persists: get medical advice/attention.
	Ingestion	Drink plenty of water. Do NOT induce vomiting. Call a poison center or doctor if you feel unwell.
4.2	Most important symptoms and effects, both acute and delayed	None anticipated.
4.3	Indication of any immediate medical attention and special treatment needed	Unlikely to be required but if necessary treat symptomatically.
5. SE	CTION 5: FIRE-FIGHTING MEASURES	
5.1	Extinguishing Media Suitable Extinguishing Media Unsuitable Extinguishing Media	Water spray, foam, dry powder or CO2. None known.

- 5.2 Special hazards arising from the substance or mixture
- 5.3 Advice for fire-fighters

None anticipated.

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and Caution - spillages may be slippery. Ensure adequate emergency procedures

ventilation. Wear personal protective equipment.

6.2 Environmental precautions

6.3 Methods and material for containment and cleaning up Household Handling Sma house Industrial Handling Stop

Do not release large quantities into the surface water or into drains.

Small spills and leaks may be cleaned up and disposed of in household trash or diluted and disposed of down drain. Stop spill at source and contain material. Adsorb spillages onto sand, earth or any suitable adsorbent material. Dispose of liquid and adsorbent material in accordance with all applicable local, state, and federal regulations. Small amounts may be flushed to a sewer. See Also Section: 8, 13.

6.4 Reference to other sections

7. SECTION 7: HANDLING AND STORAGE

General hygiene measures for the handling of chemicals are applicable.

7.1	Precautions for safe handling	
	Household Handling	Use as directed on product label. Wash hands and exposed
		skin after use. Do not eat, drink or smoke when using this
		product.
	Industrial Handling	Wear suitable personal protective equipment. Wash hands
		and exposed skin after use.
7.2	Conditions for safe storage, including any	KEEP OUT OF REACH OF CHILDREN AND PETS. Store
	incompatibilities	in original container in a cool, dry location and keep
		container closed after use.
	Storage Temperature	Ambient.
	Storage Life	Stable under normal conditions.
	Incompatible materials	None know.
7.3	Specific end use(s)	Laundry detergent.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 8.1.1	Control parameters Occupational Exposure Limits	Not established.
8.1.2	Biological limit value	Not established.
8.1.3	PNECs and DNELs	Not established.
8.2 8.2.1 8.2.2	Exposure controls Appropriate engineering controls Personal protection equipment	Provide adequate ventilation.
	Eye/face protection	Wear protective eye glasses for protection against liquid splashes.
	Skin protection (Hand protection/ Other)	Wear suitable gloves if prolonged skin contact is likely. Wear impervious gloves (EN374).
	Respiratory protection	Normally no personal respiratory protection is necessary.
8.2.3	Thermal hazards Environmental Exposure Controls	Not applicable. Do not release large quantities into the surface water or into drains.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties			
	Appearance	Solid powder.		
	Color	White/off-white		
	Odor	Unfragranced.		
	Odor Threshold	Not established.		
	pH (1% aqueous solution)	10.0-11.0		
	Solubility	Soluble in water.		

9.2 Other information

10. SECTION 10: STABILITY AND REACTIVITY

10.1 10.2 10.3	Reactivity Chemical stability Possibility of hazardous reactions	Stable under normal conditions. Stable under normal conditions. No hazardous reactions known if used for its intended purpose.
10.4	Conditions to avoid	Cleaning products should not be mixed with other household chemicals unless specifically provided according to label directions.
10.5	Incompatible materials	Strong oxidizers or reducing agents, strong acids or strong bases.
10.6	Hazardous Decomposition Product(s)	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effec	ts
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Ingredient(s)	CAS No.	Oral LD 50 (Rat)	Dermal LD 50	Inhalation LC 50
			(Mouse)	(Rat)
Sodium citrate	6132-4-3	11700 mg/kg	>2000 mg/kg	Not listed
Sodium carbonate	497-19-8	2800 mg/kg	>2000 mg/kg	Not listed
Sodium percarbonate	15630-89-4	1034 mg/kg	>2000 mg/kg	4580 g/m ³
Potassium carbonate	584-08-07	>2,000 mg/kg	Not listed	Not listed
Sodium sulfate	7757-82-6	Not listed	Not listed	Not listed
Sodium gluconate	527-07-1	>2000 mg/kg	Not listed	Not listed
Sodium silicate (hydrous)	1344-09-08	3400 mg/kg	>5000 mg/kg	2.06 g/m ³
Protease enzyme	9001-92-7	1800 mg/kg	Not listed	Not listed
Carboxymethyl inulin (CMI)	430439-54-6	Not listed	Not listed	Not listed
Tetrasodium glutamate diacetate (GLDA)	51981-21-6	>2,000 mg/kg	Not listed	Not listed
Sodium C14-C16 olefin sulfonate	68439-57-6	2079 mg/kg	6300 – 13500 mg/kg	>52 mg/L
Lauryl/myristyl glucoside	110615-47-9	>5,000 mg/kg	>5,000 mg/kg	>5 mg/L
Sorbitan laurate	1338-39-2	Not listed	Not listed	Not listed
Amylase enzyme	9000-90-2	Not listed	Not listed	Not listed
Tetraacetylethylenediamine (TAED)	10543-57-4	5.9 g/kg	Not listed	Not listed

Acute toxicity Irritation Corrosivity Sensitisation 11.2 Other information None anticipated. Causes mild skin and eye irritation. None anticipated. None anticipated. None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ingredient(s)	CAS No.	Fish LC 50 (96h)	Daphnea EC 50 (48h)
Sodium citrate	6132-4-3	Not listed	1535 mg/L
Sodium carbonate	497-19-8	300 mg/L	200 – 227 mg/L
Sodium percarbonate	15630-89-4	Not listed	Not listed
Potassium carbonate	584-08-07	68 mg/L	430 mg/L
Sodium sulfate	7757-82-6	Not listed	Not listed
Sodium gluconate	527-07-1	>1000 mg/L	>1000 mg/L
Sodium silicate (hydrous)	1344-09-08	1108 mg/L	1700 mg/L
Protease enzyme	9001-92-7	8.2 mg/L	586 µg/L
Carboxymethyl inulin (CMI)	430439-54-6	Not listed	Not listed
Tetrasodium glutamate diacetate		8.2 mg/L	586 µg/L
(GLDA)	51981-21-6		
Sodium C14-C16 olefin sulfonate	68439-57-6	4.2 mg/L	4.53 mg/L

Lauryl/myristyl glucoside	110615-47-9	> 1 – 10 mg/L	> 1 – 10 mg/L
Sorbitan laurate	1338-39-2	Not listed	Not listed
Amylase enzyme	9000-90-2	Not listed	Not listed
Tetraacetylethylenediamine		Not listed	Not listed
(TAED)	10543-57-4		

No information available.

No information available.

No information available

None known.

Not classified as PBT or vPvB.

- 12.2 Persistence and degradability
- 12.3 Bioaccumulative potential
- 12.4 Mobility in soil
- 12.5 Results of PBT and VPVB assessment
- 12.6 Other adverse effects

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Use appropriate tools to put the spilled substance in a convenient waste disposal container. Finish cleaning by spreading soap and water on the contaminated surface. Disposal should be in accordance with local, state or national legislation.

13.2 Additional Information

14. SECTION 14: TRANSPORT INFORMATION

Not regulated for transport in accordance with US DOT Regulations.

14.1	UN number	Not applicable.
14.2	UN Proper Shipping Name	Not applicable.
14.3	Transport hazard class(es)	Not applicable.
14.4	Packing Group	Not applicable.
14.5	Environmental hazards	Not applicable.
14.6	Special precautions for user	Not applicable.
14.7	Transport in bulk according to Annex II of	Not applicable.
	MARPOL73/78 and the IBC Code	

15. SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- 15.2 GHS

Created in accordance with the CPSC's implementation of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

16. SECTION 16: OTHER INFORMATION

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative

Disclaimers

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