




Natural Dishwasher Detergent Packs

SAFETY DATA SHEET

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Product Name *Natural Dishwashing Detergent Packs*
CAS No. Mixture.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified use(s) Automatic dishwashing
Uses advised against None known.
- 1.3 Details of the supplier of the Safety Data Sheet**
Company Identification Puracy
PO Box 160294
Austin, TX 78716
USA
Telephone 1-800-769-5038
E-Mail (competent person) support@puracy.com
- Emergency telephone number**
1.4 Emergency Phone No. 1-800-769-5038 [8am-5pm M-F (UTC -6)]

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
GHS 29 CFR 1910.1200 Skin Irritation – Category 2
Eye Irritation – Category 2A
Acute toxicity – Category 4
- 2.2 GHS label elements**
Hazard pictogram(s) 
- Signal word(s) **Warning**
Hazard statement(s) Causes serious eye irritation
Causes skin irritaton
Harmful if swallowed
- Precautionary statement(s) Keep out of reach of children.
Do not eat, drink or smoke when using this product.
May cause respiratory irritation.
Wash exposed areas thoroughly after handling.



Natural Dishwasher Detergent Packs

Wear protective gloves/eye protection/face protection.
If on skin: Wash with plenty of water.
If skin irritation occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse.
If in eyes: Rinse cautiously with water for several minutes.
If eye irritation persists: Get medical attention.
If swallowed rinse mouth
If swallowed and you feel unwell call a poison center and seek medical attention
Keep only in original container.
Absorb spillage to prevent material damage.

Other hazards

None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Chemical Name	CAS No.	Weight %*
Sodium carbonate	497-19-8	15-35
Sodium citrate	6132-04-3	20-50
Sodium carbonate peroxyhydrate	15630-89-4	10-25
Sodium metasilicate anhydrous	6834-92-0	0-10
Carboxymethylinulin	Not available	0-6
Alkyl polyglucoside	Not available	0-6
Substilin	9014-01-1	0-4
Amylase	9000-90-2	0-4

*Exact weight percent is withheld as trade secret

Specific chemical identity and concentration is being withheld as a trade secret. The specific chemical identity will be made immediately available to a treating physician or nurse in an emergency situation or to the physician, nurse, employee or designated representative under certain non-emergency situations.

3.2 Additional Information

None.

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact

Wash with plenty of soap and water.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open.

Ingestion

Immediately call poison center or doctor. Give plenty of water to wash out the mouth. If symptoms develop, obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin and serious eye irritation.



Natural Dishwasher Detergent Packs

- 4.3 Indication of any immediate medical attention and special treatment needed** Immediately call poison center or doctor if ingested. If symptoms develop due to skin or eye contact consult a doctor.

5. SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 Extinguishing Media**
 Suitable Extinguishing Media As appropriate for surrounding fire.
 Water spray, foam, dry powder or CO₂.
 Unsuitable Extinguishing Media None known.
- 5.2 Special hazards arising from the substance or mixture** None anticipated.
- 5.3 Advice for fire-fighters** 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 emergency procedures** Ensure adequate ventilation. Wear protective gloves, clothing and eyewear.
- 6.2 Environmental precautions** Do not release large quantities into the surface water or into drains.
- 6.3 Methods and material for containment and cleaning up** Sweep up dry solid spills. Dispose of per local disposal regulations.
- 6.4 Reference to other sections** See Also Section: 8, 13.

7. SECTION 7: HANDLING AND STORAGE

General hygiene measures for the handling of chemicals are applicable.

- 7.1 Precautions for safe handling** Wear suitable gloves, clothing and eyewear. Wash hands and exposed skin after use. Do not eat, drink or smoke when using this product.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep in a cool, well ventilated place.
- Storage Temperature Ambient.
- Storage Life Stable under normal conditions.
- Incompatible materials Strongly acidic.
- 7.3 Specific end use(s)** Automatic dishwashing detergent.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Sodium carbonate	497-19-8	-	-	-	-	None available
Sodium citrate	6132-04-3	-	-	-	-	None available
Sodium carbonate peroxyhydrate	15630-89-4	-	-	-	-	None available
Sodium metasilicate anhydrous	6834-92-0	-	-	-	-	None available



Natural Dishwasher Detergent Packs

Carboxymethylcellulose	Not available	-	-	-	-	None available
Alkyl polyglucoside	Not available	-	-	-	-	None available
Subtilin	9014-01-1	-	-	-	0.00006	-
Amylase	9000-90-2	-	-	-	-	None available

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

8.1.2 Biological limit value

Not established.

8.1.3 PNECs and DNELs

Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation.

8.2.2 Personal protection equipment

Eye/face protection

Wear protective eye glasses for protection



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.



Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

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

White to off white powder.

Odor

Not scented.

Odor Threshold

Not established.

pH

10.6 (1g/100ml)

Melting Point/Freezing Point

Not applicable.

Initial boiling point and boiling range

Not available

Flash point

Not applicable.

Evaporation rate

Not applicable.

Flammability (solid, gas)

Non-flammable.

Upper/lower flammability or explosive limits

Not applicable.

Vapour pressure

Not available



Natural Dishwasher Detergent Packs

Vapour density	Not applicable.
Relative density	Not available.
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Other information	None.

9.2

10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4	Conditions to avoid	None anticipated.
10.5	Incompatible materials	Strongly acidic.
10.6	Hazardous Decomposition Product(s)	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
	Acute toxicity	Oral toxicity category 4
	Irritation	Skin irritant. Occular irritant.
	Corrosivity	Not classified.
	Sensitisation	Not available
	Repeated dose toxicity	None anticipated.
	Carcinogenicity	No evidence of carcinogenicity.
	Mutagenicity	There is no evidence of mutagenic potential.
	Toxicity for reproduction	None anticipated.
11.2	Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical Name	Daphnid (mg/L)	Fathead Minnow (mg/L)
Sodium carbonate	>100	>100
Sodium percarbonate	4.9	71
Enzymes	>100	>100

12.2 **Persistence and degradability**
12.3 **Bioaccumulative potential**

No data available
No information available.



Natural Dishwasher Detergent Packs

12.4	Mobility in soil	Soluble in water.
12.5	Results of PBT and VPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None known.

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.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

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 MARPOL73/78 and the IBC Code	Not applicable.

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 OSHA's implementation of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)
15.3	US EPA	TSCA: Ingredients are listed on TSCA

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

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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End of SDS