



SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: POD in POD Auto Dish Washing Detergent
Recommended Use: Cleaning dishes for automatic dishwashers
Restrictions on use: Use only as directed on label
Manufacturer: Yuyao Delpack Commodity Co., Ltd
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IssueDate: Sep.2nd , 2020


2. HAZARDS IDENTIFICATION

Classification of the mixture:

Hazardous substance. NON dangerous goods.

This product is classified as irritant in accordance to EU directive 1999/45/EC.

Label elements

GHS Label elements	
Signal Word	WARNING

Hazard Statement(s)

H315 Causes skin irritation

H319 Causes serious eye irritation

H302 Harmful if swallowed

H335 May cause respiratory irritation



EUH208: Contains Subtilisin. May produce an allergic reaction.

Precautionary Statement(s)

P102 Keep out of reach of children

P302 IF ON SKIN rinse skin with water

P305 IF IN EYES rinse immediately with plenty of water and seek medical advice.

P301 IF SWALLOWED seek medical advice immediately and show this container or label.

Other Hazard(s)

Nil

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	CAS number	% ,w/w
Sodium carbonate	497-19-8	5.0 – 20.0
Disodium carbonate compound with hydrogen peroxide (2:3)	15630-89-4	5.0 – 15.0
Nonionic surfactant	68439-49-6	20.0 – 40.0
Sodium disilicate	13870-28-5	1.0 – 10.0
Propylene glycol	57-55-6	1.0 – 10.0
Protease	9014-01-1	1.0 – 5.0
Amylase	9000-90-2	≤ 1.0
Benzotriazole	95-14-7	≤ 0.1

The above ingredients are parts of the mixture, which is helpful for product classification and identification.

4. FIRST AID MEASURE

Description of first aid measures.

Inhalation Remove from exposure and give water to drink if mouth irritation experienced. Seek medical advice if recovery is not rapid.
Ingestion Drink plenty of water. If symptoms persist consult a doctor.
Skin contact Rinse affected area with water.
Eye contact Rinse thoroughly with running water for at least 15 minutes. If symptoms persist consult a doctor.

Most important symptoms and effects, both acute and delayed.



Inhalation	Possible mild irritation of breathing passage and possible mouth irritation
Ingestion	Symptoms of poisoning
Skin	Possible mild transient irritation of skin
Eye	Possible mild irritation, redness and soreness.

Indication of any immediate medical attention and special treatment needed.

No data available.

5. FIRE FIGHTING MEASURES

Extinguishing media	Use an extinguisher suitable to the surrounding fire.
Special hazards arising from the substance or mixture	No further relevant information.
Advice for fire fighters	Use protection suitable to cause of fire.

6. ACCIDENTAL RELEASE METHODS

Personal precautions, protective equipment and emergency procedures.

Environmental precautions	Product is intended to be rinsed away to sewer after normal use. For bigger, non-household spillages prevent entry into sewer or drains. Can be picked up with shovel and disposed of via a license waste disposal contactor.
Methods and materials for containment and cleaning up	Absorb household spillages with e.g. kitchen roll and dispose of in bin. Wipe effected area clean with a damp cloth. For larger spills – move containers from spill area. Use a vacuum with HEPA filter, avoid dust generation. Use a license waste disposal contactor for disposal.

7. HANDLING AND STORAGE

Handling	Do NOT ingest. Workers should wash hands and face after handling product. Use as instructed on the label. Comply with current legislation concerning the prevention of industrial risks. Keep containers sealed. Control spills and residues using safe methods (section 6). Avoid leakages from the container.
Technical recommendations to prevent fires and explosions	Due to its non-flammable natures, the product does not present a fire risk under normal conditions of storage and use.



Storage	Do NOT store above 40°C. Do NOT store below -10°C. Store in original container. Keep away from direct sunlight, heat and moist conditions. Keep container closed.
For bulk, long distance transport	Product must be kept under 30°C.
For storage up to 25 days	Keep < 40°C.
For storage greater than 25 days	Keep product < 30°C
Specific end use	Cleaning dishes for automatic dishwashers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

Ingredient name	Exposure limits
Disodium carbonate compound with hydrogen peroxide (2:3)	Dusts not otherwise classified: 8hr TWA = 10 mg/m ³
Propylene glycol	Short term value : 10 mg/m ³ (inhalable) Long term value : 155 mg/m ³ (inhalable)
Exposure controls	This product does not pose a hazard in normal use.
Engineering measures	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Ensure adequate ventilation.
Personal protective equipment	
Eye protection	Wear chemical goggles
Skin	Wear appropriate protective gloves to prevent skin exposure.
Clothing	Wear a chemical apron.
Respirators	In case of inadequate ventilation A NIOSH/MSHA approved air purifying dust or mist respirator or European standard EN 149.

9. PHYSICAL AND CHEMICAL PROPERTIES

Important health, safety and environmental information

Appearance	Powder pouch in liquid pods	Odour	Lemon
Colour	blue liquid ,white with green speckles pouch		



pH powder	9.5-11.4	Boiling point	Not measured (>100°C)
pH liquid	7.0-9.0		
Flash point	Not applicable	Flammability	Does not ignite
Explosive properties	None	Oxidising properties	Not available
Vapour pressure	Not available	Relative density	Not determined
Solubility	Soluble in water	Water solubility	Completely soluble
Viscosity	Not measured	Partition coefficient: n-octanol/water	Not available
Evaporation rate	Not measured	Vapour density	>1 (air=1)

Other information. Nil

10. STABILITY AND REACTIVITY

Reactivity	No chemical reactivity hazards expected. The product is stable
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	None under normal conditions of storage and use
Conditions to avoid	Do not mix with household chemicals
Incompatible materials	Do not mix with oxidising materials
Hazardous decomposition products	None known when stored and used under normal conditions.

11. INFORMATION ON TOXICOLOGY

Acute Toxicity

Ingredient name	Result	Species	Dose	Exposure
Sodium carbonate Disodium carbonate compound with hydrogen peroxide (2:3)	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	2800 mg/kg	-
	LC50 Dust	Rat	1034 mg/kg	-
Propylene glycol	LD50 Dermal	Rabbit	2000 mg/kg	2Hours
	LD50 Oral	Rat	22000 mg/kg	
Benzotriazole	LD50 Oral	Guinea pig	500mg/kg	4 hours
	LD40 Dermal	Rat	>1000 mg/Kg	4 hours
	LC50 Dust	Rat	1910 mg/m ³	3 hours

Irritation/Corrosion

Ingredient name	Result	Species	Score	Exposure	Observation
Sodium carbonate	Eyes – Mild irritant	Rabbit	-	0.5 minutes 100mg	-
	Eyes – Moderate irritant	Rabbit	-	24 hours 100mg	-



Teratogenicity

Conclusion/summary - Not available

Potential acute health effects

Inhalation No known significant effects or critical hazards
Ingestion No known significant effects or critical hazards
Skin contact No known significant effects or hazards
Eye contact Irritating to eyes

Potential chronic health effects

Chronic toxicity

Conclusion/ summary Not available
Chronic effects No known significant effects or critical hazards
Carcinogenicity No known significant effects or critical hazards
Mutagenicity No known significant effects or critical hazards
Teratogenicity No known significant effects or critical hazards
Developmental effects No known significant effects or critical hazards
Fertility effects No known significant effects or critical hazards

Over Exposure signs/ symptoms

Inhalation No specific data
Ingestion No specific data
Skin No specific data
Eyes Adverse symptoms may include the following: irritation; watering; redness
Target organs No specific data

12. ECOLOGICAL INFORMATION

Ecotoxicity No known significant effects or critical hazards

Aquatic ecotoxicity

Ingredient name	Result	Species	Exposure
Sodium carbonate	Acute EC50 242000 µg/l	Algae – Navicula seminulum	96 hours
	fresh water	Crustaceans – amphipoda	48 hours
	Acute LC50 176000 µg/l	Daphnia – Daphnia magna	48 hours
	fresh water	Fish – Lepomis macrochirus	96 hours
	Acute LC50 265000 µg/l	Algae – Chlorella emersonii	240 hours
	fresh water		
	Acute LC50 300000 µg/l		
	fresh water		
	Acute EC50 70 mg/l		



Disodium carbonate compound with hydrogen peroxide (2:3)	Acute EC50 4.9 mg/l Acute LC50 70.7 mg/l Acute EC50 0.1 to 1 mg/l	Daphnia – Daphnia Pluex Fish – Pimephales promelas Aquatic plants	48 hours 96 hours 72 hours
Propylene glycol	Acute LC50 40.613 mg/L	Rainbow trout	96hours

Toxicity The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

Persistence and biodegradability Does not contain and components considered to be persistent. Contains detergents that satisfy the biodegradation requirements of directive 648/2004/EC

Bioaccumulative potential No bioaccumulative potential noted for any component

Mobility in soil The components of the mixture are readily absorbed into soil and are mobile in water environment

Results of PBT and vPvB assessment -
Other adverse effects -

13. DISPOSAL CONSIDERATIONS

Waste treatment methods Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment. Dispose of contaminated packaging in the same way as the product itself. Non-contaminated packages may be recycled.

14. TRANSPORT INFORMATION

14.1	UN number	Not applicable
14.2	UN proper shipping name	Not applicable
14.3	Transport hazard class(es)	Not applicable
	Classification for ROAD and RAIL transport:	Not regulated
	IMDG/IMO:	Not regulated
	IATA/ICAO:	Not regulated



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SAFETY DATA SHEET
Selection GEL ALL-IN-ONE AUTOMATIC DISHWASHER GEL TABS
Revision date: 2020/09/02

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 MARPOL 73/78 and the IBC Code	Not applicable

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Commission Regulation (EC) No. 453/2010 of 20th May 2010 amending Regulation (EC) No. 1907/2006 of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Chemical Safety Assessment

1.1 The chemical safety assessment has not been carried out for the mixture.

16. OTHER INFORMATION

IssueDate: Sep.2nd , 2020

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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