

Design Report of Safety Data Sheet

(SDS)

Product Name:

WATER-BAESD COATING YR-8802-08

Type/Model:

YR-8802-08

Entrust Unit:FOSHAN SHUNDE YRONG NEW
MATERIALS CO., LTD.**Audited by:**

DAVE

Edited by:

NICOK



Unit: Guangfen Testing Institute (Guangzhou) Quality Inspection Co., Ltd. (GFQT)

Add: Room 101, 1st Floor, Building 2, Jinke Industrial Park, No. 1 Xinji Avenue, Nancun Town, Panyu District, Guangzhou

Tel: 020-66624679

Web: www.gflad.com

SAFETY DATA SHEET

Water-baesda coating YR-8802-08

*According to GHS (Tenth Revised Edition)

SDS

Section 1 Identification of the chemical and supplier

♦ Product identifier

Product Name	Water-baesda coating YR-8802-08
Type/Model	YR-8802-08
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable

♦ Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Please consult the manufacturer.
Uses advised against	Please consult the manufacturer.

♦ Details of the supplier of the Safety Data Sheet

Applicant Name	Foshan Shunde YRong New Materials Co., Ltd.
Applicant Address	No.175 Bai' an South Road, Jun' an Town, Shunde District, Foshan City, Guangdong Province, P.R.China
Applicant Telephone	+86-13326992077
Applicant Fax	-
Applicant E-mail	coatingyr@gmail.com
Supplier Name	-
Supplier Address	-
Supplier Telephone	-
Supplier Fax	-
Supplier E-mail	-

♦ Emergency phone number

Emergency phone number	+86-13326992077
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Section 2 Hazards identification

♦ Hazard classification according to GHS

Acute toxicity-Oral	Category 4
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♦ GHS Label elements

Hazard pictograms	
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Signal word		Warning	
♦ Hazard statements			
H302		Causes eye irritation.	
♦ Precautionary statements			
▲ Prevention			
P264		Wash face and hands thoroughly after handling.	
P270		Do not eat, drink or smoke when using this product.	
▲ Response			
P301+P317		IF SWALLOWED: Get medical help.	
P330		Rinse mouth.	
▲ Storage			
Storage		Not applicable	
▲ Disposal			
P501		Dispose of contents/container in accordance with local/regional/national/international regulations.	
♦ Hazard description			
▲ Physical and chemical hazards			
Physical and chemical hazards		Liquid, toxic smoke/fumes in a fire.	
▲ Health hazards			
Inhaled		Inhalation of the product may produce adverse health effects or irritation of the respiratory tract following discomfort.	
Ingestion		Accidental ingestion of the product may be harmful to the health of the individual.	
Skin Contact		Direct skin contact can cause skin irritation.	
Eye		The product can produce severe chemical burns to the eye following direct contact.	
▲ Environmental hazards			
Environmental hazards		Please refer to 12th chapter of SDS.	
Section 3 Composition/information on ingredients			
♦ Substance / mixture			
		☐ Substance	☒ mixture
Component	Cas No.	EC No.	Concentration (weight percent, %)
Sand	14808-60-7	238-878-4	50
Water	7732-18-5	231-791-2	20

Acrylic Emulsion	25085-34-1	607-532-8	20
Coalescents	25265-77-4	246-771-9	7
cellulose	9004-34-6	232-674-9	3

Section 4 First aid measures	
♦	Description of first aid measures
General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.
♦	Most important symptoms and effects, both acute and delayed
1	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.
♦	Indication of any immediate medical attention and special treatment needed
1	Treat symptomatically.
2	Symptoms may be delayed.

Section 5 Firefighting measures	
♦	Extinguishing media
Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.
♦	Specific hazards arising from the substance or mixture
1	Combustion products: carbon oxides, aldehydes, etc.
2	May expansion or decompose explosively when heated or involved in fire.
♦	Special protective equipment and precautions for fire-fighters
1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6 Accidental release measures

♦ Personal precautions, protective equipment and emergency procedures

- 1 Ensure adequate ventilation. Remove all ignition sources.
- 2 Quickly evacuate personnel to a safe area, away from the leakage area and in the upwind direction.
- 3 Use personal protective equipment. Avoid inhalation of steam or dust.

♦ Environmental precautions

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

♦ Methods and materials for containment and cleaning up

- 1 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 2 Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.
- 3 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

Section 7 Handling and storage

♦ Precautions for handling

- 1 Operate in a well-ventilated place.
- 2 Handling is performed in a well ventilated place.
- 3 Avoid contact with skin and eyes.
- 4 Keep away from heat sources, sparks, open flames and hot surfaces.

♦ Conditions for safe storage, including any incompatibilities

- 1 Keep containers tightly closed.
- 2 Keep containers in a dry, cool and well-ventilated place.
- 3 Keep away from heat/sparks/open flames/hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.
- 5 Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 Exposure controls/personal protection

♦ Control parameters

▲ Occupational Exposure limit values

Component	Country/Region	Limit value - TWA		Limit value - STEL	
		ppm	mg/m ³	ppm	mg/m ³
Sand	Australia	-	0,05	-	-
	France	-	0,1	-	-
	Denmark	-	0,3	-	0,6

	Finland	-	0,05	-	-
	Ireland	-	0,1	-	-
	South Korea	-	0,05	-	-
	USA - OSHA	-	0,05	-	-
Cellulose	Australia	-	10	-	-
	Belgium	-	10	-	-
	Ireland	-	10	-	-
	New Zealand	-	10	-	-
	South Korea	-	10	-	-
	USA - OSHA	-	10	-	-
▲	Biological limit values				
	No relevant regulations				
▲	Monitoring methods				
1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.				
2	GBZ/T 300 Series Standards — Determination of Toxic Substances in Workplace Air.				
▲	Engineering controls				
1	Ensure adequate ventilation, especially in confined areas.				
2	Ensure that eyewash stations and safety showers are close to the workstation location.				
3	Set up emergency exit and necessary risk-elimination area.				
4	Handle in accordance with good industrial hygiene and safety practice.				
▲	Personal protection equipment				
General requirement					
Eye protection		Must wear appropriate safety goggles.			
Hand protection		Must wear appropriate chemical protective gloves.			
Respiratory protection		Must wear appropriate personal respiratory protective equipment.			
Skin and body protection		Must wear appropriate chemical protective clothing and chemical resistant shoes.			
Section 9 Physical and chemical properties					
♦	Physical and chemical properties				
Appearance			White paste		
Odor			Slight odor		

pH	No information available\Not applicable.
Melting point/freezing point(°C)	No information available\Not applicable.
Initial boiling point and boiling range(°C)	No information available\Not applicable.
Flash point(Closed cup,°C)	No information available\Not applicable.
Evaporation rate	No information available\Not applicable.
Flammability	Not flammable
Upper/lower explosive limits[% (v/v)]	No information available\Not applicable.
Vapor pressure(KPa)	No information available\Not applicable.
Vapor density(Air = 1)	No information available\Not applicable.
Relative density(Water=1)	No information available\Not applicable.
Solubility(mg/L)	No information available\Not applicable.
n-octanol/water partition coefficient	No information available\Not applicable.
Auto-ignition temperature(°C)	No information available\Not applicable.
Decomposition temperature(°C)	No information available\Not applicable.
Viscosity (mPa·s)	No information available\Not applicable.
Particle characteristics	No information available\Not applicable.

Section 10 Stability and reactivity

♦	Stability and reactivity
Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	No information available
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Strong acid, strong base, strong oxidant.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 Toxicological information

♦	Acute toxicity			
Component		LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
Cellulose		> 5000mg/kg(Rat)	> 2000mg/kg(Rabbit)	> 5,8mg/L(Rat)
Coalescents		3200mg/kg(Rat)	No information available	No information available
♦	Carcinogenicity			
Component		IARC		NTP

Sand		Category 1	Not Listed
Water		Not Listed	Not Listed
Acrylic Emulsion		Not Listed	Not Listed
Coalescents		Not Listed	Not Listed
Cellulose		Not Listed	Not Listed
♦	Others		
Skin corrosion/irritation		Based on available data, the classification criteria are not met	
Serious eye damage/irritation		Based on available data, the classification criteria are not met	
Skin sensitization		Based on available data, the classification criteria are not met	
Respiratory sensitization		Based on available data, the classification criteria are not met	
Reproductive toxicity		Based on available data, the classification criteria are not met	
STOT-single exposure		Based on available data, the classification criteria are not met	
STOT-repeated exposure		Based on available data, the classification criteria are not met	
Aspiration hazard		Based on available data, the classification criteria are not met	
Germ cell mutagenicity		Based on available data, the classification criteria are not met	
Section 12 Ecological information			
♦	Acute aquatic toxicity		
	No information available		
♦	Chronic aquatic toxicity		
	No information available		
♦	Persistence and degradability		
	No information available		
♦	Bioaccumulative potential		
	No information available		
♦	Mobility in soil		
	No information available		
♦	Results of PBT and vPvB assessment		
Component		Results of PBT and vPvB assessment (according to (EC) No 1907/2006)	
Sand		not PBT/vPvB	
Water		not PBT/vPvB	
Acrylic Emulsion		not PBT/vPvB	
Coalescents		not PBT/vPvB	

Cellulose		not PBT/vPvB								
Section 13 Disposal considerations										
Waste chemicals		Before disposal should refer to the relevant national and local laws and regulation. Contact a qualified professional waste disposal service to dispose of this material.								
Contaminated packaging		Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.								
Disposal recommendations		Refer to section waste chemicals and contaminated packaging.								
Section 14 Transport information										
♦	Label and Mark									
Transporting Label		Not applicable								
♦	IMDG-CODE									
IMDG-CODE		NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS								
♦	IATA-DG									
IATA-DGR		NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS								
♦	UN-ADR									
UN-ADR		NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS								
♦	Special precautions for user									
Special precautions for user		During transportation, the transport vehicles shall be equipped with fire-fighting equipment and leakage emergency treatment equipment of corresponding types and quantities. Before transportation, the integrity and tightness of packaging containers shall be checked. Signs and announcements shall be posted on the transport vehicles in accordance with relevant transportation requirements.								
♦	Transport in bulk according to IMO instruments									
▲	Transport in bulk according to Annex II of MARPOL and the IBC code									
	No information available									
▲	Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code									
	No information available									
▲	Transport in bulk in accordance with the IGC Code									
	No information available									
Section 15 Regulatory information										
♦	International list of chemicals									
Component		EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIIC	ENCS
Sand		✓	✓	✓	✓	✓	✓	✓	✓	✓

Water	✓	✓	✓	✓	✓	✓	✓	✓	✓
Acrylic Emulsion	×	✓	✓	✓	✓	✓	✓	✓	✓
Coalescents	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cellulose	✓	✓	✓	✓	✓	✓	✓	✓	×

【EINECS】 European Inventory of Existing Commercial Chemical Substances

【TSCA】 United States Toxic Substances Control Act Inventory

【DSL】 Canadian Domestic Substances List

【IECSC】 China Inventory of Existing Chemical Substances

【NZIoC】 New Zealand Inventory of Chemicals

【PICCS】 Philippines Inventory of Chemicals and Chemical Substances

【KECI】 Existing and Evaluated Chemical Substances

【AIIIC】 Australia Inventory of Chemical Substances

【ENCS】 Japan Inventory of Existing & New Chemical Substances

Note :

"✓" Indicates that the substance included in the regulations

"×" That no data or included in the regulations

Section 16 Additional Information

Information on revision

Creation Date	2026/08/03(Explanation: The report is valid for one year)
Revision Date	-
Reason for revision	-

References

【1】 IPCS:The International Chemical Safety Cards (ICSC) ,website: <http://www.ilo.org/dyn/icsc/showcard.home>.

【2】 IARC, website: <http://www.iarc.fr/>.

【3】 OECD: The Global Portal to Information on Chemical Substances, website:
http://www.chemportal.org/chemportal/index?pageID=0&request_locale=en.

【4】 CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.

【5】 NLM:ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.

【6】 EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.

【7】 U.S. Department of Transportation:ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.

【8】 Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG	International Maritime Dangerous Goods
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	ICAO-International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association

NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
ECX	Effective Concentration X%	vPvB	vPvB -High very Persistent, High very Bioaccumulative
P _{ow}	Partition coefficient Octanol:Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor (BCF)	RPE	Respiratory Protective Equipment
ED	Endocrine disruptors	-	-

◆ Disclaimer

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