

Safety Data Sheet

PG-900PA POWDER COAT RANGE

Compiled according to GB/T 16483, GB/T 17519
Issue date: 4/18/2024 Version: 1.2

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SECTION 1 Chemical product and company identification

Chemical Chinese name	: 耐用聚酯粉末涂料 PG-900PA POWDER COAT RANGE
Chemical English name	: PG-900PA POWDER COAT RANGE
Name of company	: DGL Chemicals (Shanghai) Limited
Address	: Room 417, Building 2, No.127, Lane 127 Jinwen Road, Zhuqiao Town, Pudong New District, Shanghai, China 201323
Zip code	: 201323 China
Tel.	: +86 21 3825 8507
Emergency number	: +86 532 8388 9090
Recommended use of the chemical	: Durable polyester powder coatings for exterior and interior architectural uses.
Restricted use of the chemical	: Not to be used for any purpose other than the one the product was designed for.

SECTION 2 Hazards identification

Emergency overview



May be harmful if swallowed. May cause an allergic skin reaction. Causes serious eye irritation. May cause genetic defects. May cause damage to organs through prolonged or repeated exposure

GHS hazard classification

Health hazards	: Acute toxicity (Oral), Category 5 : Serious eye damage/eye irritation, Category 2 : Skin sensitization, Category 1 : Germ cell mutagenicity, Category 1B : Specific target organ toxicity - Repeated exposure, Category 2
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Other hazards not mentioned above are Not applicable or No data is available.

Label elements

Hazard pictograms (GHS CN)	:  
Signal word (GHS CN)	: Danger.
Hazard statements (GHS CN)	: H303 - May be harmful if swallowed H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H340 - May cause genetic defects H373 - May cause damage to organs through prolonged or repeated exposure.
Precautionary statements (GHS CN)	
Prevention measures	: P201 - Obtain special instructions before use.

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	P202 - Do not handle until all safety precautions have been read and understood.
	P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
	P264 - Wash hands, forearms and face thoroughly after handling.
	P272 - Contaminated work clothing should not be allowed out of the workplace.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Incident response	: P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 - Call a POISON CENTER or doctor if you feel unwell. P321 - Specific treatment (see supplemental first aid instruction on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.
Safe storage	: P405 - Store locked up.
Disposal	: P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Physical and chemical hazards

No additional information available

Health hazards

May be harmful if swallowed

May cause an allergic skin reaction

Causes serious eye irritation

May cause genetic defects

May cause damage to organs through prolonged or repeated exposure

Symptoms/effects after eye contact : Eye irritation

Symptoms/effects after ingestion : None under normal conditions

Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure, None under normal use

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Environmental hazards

No additional information available

Other hazards

No additional information available

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SECTION 3 Composition/information on ingredients

Ingredient(s)	Concentration or concentration ranges (w/w %)	CAS No.
1,3,5-tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione	1 – 5	2451-62-9

SECTION 4 First-aid measures

Description of necessary first-aid measures

- First-aid measures general : IF exposed or concerned: Get medical advice/attention.
Call a poison center or a doctor if you feel unwell
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
Take off contaminated clothing.
If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse immediately with plenty of water.
Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth.
Call a poison center or a doctor if you feel unwell

Most important symptoms/effects

- Symptoms/effects after eye contact : Eye irritation
- Symptoms/effects after ingestion : None under normal conditions
- Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure
None under normal use
- Symptoms/effects after skin contact : May cause an allergic skin reaction.

Advices for first aid responders

No additional information available

Notes for the doctor

- Other medical advice or treatment : Treat symptomatically

SECTION 5 Fire-fighting measures

Extinguishing media

- Suitable extinguishing media : Water spray
Dry powder
Foam
- Unsuitable extinguishing media : Do not use a heavy water stream

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Specific hazards

- Fire hazard : No fire hazard
- Hazardous decomposition products in case of fire : Toxic fumes may be released
- Explosion hazard : No direct explosion hazard

Advice for firefighters and protective measures

- Firefighting instructions : Fight fire from safe distance and protected location
Do not enter fire area without proper protective equipment, including respiratory protection
Exercise caution when fighting any chemical fire
Keep upwind
- Protection during firefighting : Do not attempt to take action without suitable protective equipment
Self-contained breathing apparatus
Complete protective clothing

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

- General measures : Notify authorities if product enters sewers or public waters
Absorb spillage to prevent material damage.
No action shall be taken without appropriate training or involving any personal risk
- Personal Precautions, Protective Equipment and Emergency Procedures : No additional information available

For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment
- Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene
Do not breathe dust/fume/gas/mist/vapours/spray.

For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment
For further information refer to section 8: "Exposure controls/personal protection"
- Emergency procedures : Evacuate unnecessary personnel

Environmental precautions

- Avoid release to the environment
- Notify authorities if product enters sewers or public waters

Methods and material for containment and cleaning up

- Methods for cleaning : No additional information available
- Methods and material for containment and cleaning up : No additional information available
- For containment : Using a clean shovel, put the material in a dry container and cover without compressing it

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Prevention measures for secondary accidents

- Prevention Measures for Secondary Accidents : No additional information available
- Other information : Dispose of materials or solid residues at an authorized site

SECTION 7 Handling and storage

Handling

- Precautions for safe handling : Ensure good ventilation of the work station
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Take all necessary technical measures to avoid or minimize the release of the product on the workplace
Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers
Provide local exhaust or general room ventilation
Wear personal protective equipment
Floors, walls and other surfaces in the hazard area must be cleaned regularly
Do not breathe dust/fume/gas/mist/vapours/spray.
Avoid contact with skin and eyes
- Hygiene measures : Separate working clothes from town clothes. Launder separately
Contaminated work clothing should not be allowed out of the workplace.
Wash contaminated clothing before reuse.
Do not eat, drink or smoke when using this product.
Always wash hands after handling the product
- Local and general ventilation : No additional information available
- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use

Storage

- Storage conditions : Store locked up.
- Technical measures : Keep in a cool, well-ventilated place away from heat
- Material used in packaging/containers : No additional information available
- Information on mixed storage : Store away from incompatible materials and products
Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity
- Storage area : Keep out of direct sunlight
- Special rules on packaging : Position containers so that any labelling information is visible
Keep packaging closed when not in use
Check containers and packaging regularly for leaks and damage
- Packaging materials : Store always product in container of same material as original container

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SECTION 8 Exposure controls / Personal protection equipment

Occupational exposure limits

No additional information available

Biological limit values

No additional information available

Monitoring methods

Monitoring methods : Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents
Gas detectors should be used when toxic gases may be released

Appropriate engineering controls

Ensure good ventilation of the work station
Handle product within a closed system

Personal protective equipment

Personal protective equipment : Personal protective equipment (PPE) must be suited to the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Avoid all unnecessary exposure

Wear recommended personal protective equipment

Ocular shower with suitable liquid

Other information : PPE compliant with the recommended standards should be selected

Hand protection : Wear suitable gloves resistant to chemical penetration

Eye protection : Wear eye protection: Chemical goggles or safety glasses

Skin and body protection : Wear foot protection: Chemical resistant boots
Wear protective clothing: Long sleeved protective clothing

Respiratory protection : Wear appropriate mask: dust mask with filter type P2

Personal protective equipment symbol(s)



SECTION 9 Physical and chemical properties

Physical state	: Solid
Appearance	: Solid. Pearlescent. Metallic. Textured
Colour	: Various colours
Odour	: characteristic
pH	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: Not applicable

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Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Explosive limits (vol %)	: Not applicable
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Radioactive	: No

SECTION 10 Stability and reactivity

Chemical stability	: Stable under normal conditions
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use
Conditions to avoid	: None under recommended storage and handling conditions (see section 7)
Incompatible materials	: Strong acids Strong bases Strong oxidizers
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced
Other properties	: No additional information available

SECTION 11 Toxicological information

Acute toxicity

Acute toxicity (oral)	: May be harmful if swallowed.
Acute toxicity (dermal)	: No data available
Acute toxicity (inhalation)	: No data available

PG-900PA POWDER COAT RANGE	
ATE CN (oral)	3531.073 mg/kg bodyweight

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1,3,5-tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (2451-62-9)

ATE CN (oral)	100 mg/kg bodyweight
ATE CN (vapours)	3 mg/l/4h

Skin corrosion/irritation

Skin corrosion/irritation : No data available

Serious eye damage/eye irritation

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity

Carcinogenicity : No data available

Reproductive toxicity

Reproductive toxicity : No data available

STOT - single exposure

STOT-single exposure : No data available

STOT - repeated exposure

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

1,3,5-tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (2451-62-9)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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Aspiration hazard

Aspiration hazard : No data available

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Viscosity, kinematic	Not applicable
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SECTION 12 Ecological information

Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : No data available

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Hazardous to the aquatic environment, long-term (chronic)
No additional information available : Not classified.

Persistence and degradability

PG-900PA POWDER COAT RANGE	
Persistence and degradability	Not rapidly degradable
1,3,5-tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (2451-62-9)	
Persistence and degradability	Not rapidly degradable

Bioaccumulative potential

No additional information available

Mobility in soil

No additional information available

Other adverse effects

Classification procedure (Ozone) : No data available

SECTION 13 Disposal considerations

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Contaminated container and packaging	: No additional information available
Additional information	: Do not re-use empty containers.
Product/Packaging disposal recommendations	: Comply with applicable regulations for solid waste disposal Disposal must be done according to official regulations
Sewage disposal recommendations	: Disposal must be done according to official regulations
Regional legislation (waste)	: Disposal must be done according to official regulations

SECTION 14 Transport information

In accordance with JT/T 617 / IMDG / IATA

Overland transport (JT/T 617)	Transport by sea	Air transport
UN number		
Not regulated for transport		
Proper shipping name		
Not regulated	Not regulated	Not regulated
Transport hazard class(es)		
Not regulated	Not regulated	Not regulated

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Overland transport (JT/T 617)	Transport by sea	Air transport
Packing group		
Not regulated	Not regulated	Not regulated
Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

Special transport precautions

Overland transport (JT/T 617)

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15 Regulatory information

New Chemical Substance Environmental Management Registration Measures (MEE Order 12 of 2020)

Inventory of Existing Chemical Substances in China (IECSC) : Contains listed substance(s)
1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)- (CAS-No. 2451-62-9)

Regulations on the Safe Management of Hazardous Chemicals (Decree 591 of the State Council)

Catalogue of Hazardous Chemicals (2015) : Contains Hazardous Chemical(s)
1,3,5-tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione
Considered as Hazardous Chemical(s)

Law of the People's Republic of China on the Prevention and Control of Occupational Diseases

Catalogue for Classification of Hazardous Factors of Occupational Diseases : Contains listed substance(s)

SECTION 16 Other information

No additional information available

Safety Data Sheet (SDS), China

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