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FC02B DPD powder

Residual Chlorine DPD Powder

SDS Number: JM25006220

Product Number: 50-2500-62

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identification

Product Name:	Residual Chlorine DPD Powder
Product Model:	FC02B
Product Number:	50-2500-62
Brand:	Jensprima

1.2 Details of the MSDS provider

Manufacturer or supplier name: Jensprima Instruments limited
Kensington High St Kensington
W8 7DS London
United Kingdom
Web: www.jensprima.com
Phone: +44-203-4681833
Email: info@jensprima.com

Jensprima Instruments (Shanghai) Co.Ltd
2/F, Block B, No.1, No.618 Chengliu Middle Road,
Jiading District, Shanghai, China
Postal code: 201801
Website: www.jensprima.com.cn
Tel: +86-21-69108153
Mail: chinainfo@jensprima.com

1.3 Emergency counselling telephone number - China

Emergency contact no.: 400-1588-710

1.4 Recommended and restricted uses of the substance or mixture

Relevant uses identified:	Laboratory reagents, determination of free chlorine.
It is recommended not to use it	Do not use for medicinal, household or other purposes

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Prepared in accordance with GB/T 16483, GB/T 17519

Section 2: HAZARDS IDENTIFICATION

2.1 GHS Hazard Category

hazard class	form	hazardous condition
Acute toxicity, oral	4	H290
Severe eye damage/eye irritation	2B	H314

Full text of abbreviations: see section 16

2.2 GHS labelling elements, including precautionary statements pictogram

GHS05



signal word

warnings

Hazard statement

H302

Swallowing is harmful.

H320

Causes eye irritation.

Precautionary note

P264

Wash the skin thoroughly after the operation.

P270

Do not eat, drink or smoke while using this product.

Incident Response

P301 + P312 + P330

IF SWALLOWED: Call emergency centre/doctor if you feel unwell. Rinse mouth.

P305 + P351 + P338

IF IN EYES: Rinse carefully with water for several minutes. If wearing contact lenses and can easily remove them, remove contact lenses. Continue rinsing.

P337 + P313

If you still feel eye irritation: seek medical advice/attention.

Waste disposal

P501

Dispose of contents/containers at an approved waste treatment plant.

2.3 Physical and chemical hazards

There are no physical or chemical hazards for which information is currently available.

2.4 health hazard

H302

Swallowing is harmful.

H320

Causes eye irritation.

2.5 Environmental hazard

There are no environmental hazards with the information available at this time.

2.6 Other hazards - none

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances/mixtures	Substance.	
3.1 Materialistic		
Chemical property	Confidentiality.	
Composition	Categorisation	Percentage concentration
N,N-Diethyl-p-phenylenediamine Sulphate Molecular Formula : $C_8H_{10}N_2SO_4$ Molecular Weight : 262.33 g/mol CAS No. : 6283-63-2 EC-No. : 228-500-6	Acute toxicity Category 4 H302. Eye irritation Category 2B H320.	=< 100%

Section 4: FIRST AID MEASURES

4.1 Description of necessary first aid measures

General

recommendations

Show this Safety Technical Sheet to the doctor who arrives at the site.

Inhalation

Transfer to fresh air.

Dermal contact

In case of skin contact: Remove/take off all contaminated clothing immediately. Wash skin with water/shower.

Eye contact

After eye contact: Wash off with plenty of water. Remove contact lenses.

ingestion

Vomiting must not be induced. Rinse the mouth with water and then drink plenty of water. Do not feed anything by mouth to an unconscious victim. Consult a doctor.

4.2 Most important symptoms and health effects

symptomatic Burning sensation.

4.3 Instructions and directions for timely medical treatment and special treatment required

Avoid contact with skin, eyes or clothing. Wear personal protective clothing.

4.4 Special tips for doctors

Symptomatic treatment.

Section 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Fire extinguishing methods and agents	Adopt fire-fighting measures appropriate to the situation and surroundings.
Unsuitable extinguishing agents	No restrictions on extinguishing agents are specified for this substance/mixture.

5.2 Special hazards arising from the substance or mixture

Special hazards	No information available.
flammable	Not classified as flammable under GHS guidelines. Burns to produce toxic fumes.
fig. shocking	Not classified according to GHS standards.
Hazardous combustibles	Carbon oxides, nitrogen oxides, sulphur oxides.

5.3 Fire Fighting Precautions and Protective Measures

Firefighters should wear self-contained positive pressure breathing apparatus and full firefighting gear. Use personal protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personnel protection measures	Avoid contact with skin, eyes or clothing. Use required personal protective equipment.
Recommendations for emergency responders	Use the required PPE.

6.2 Environmental protection measures

For additional ecological information refer to Section 12 of this paper.

6.3 Sheltering of spilled chemicals, clean-up methods and disposal materials used

Methods of accommodation	Prevent further leaks or spills, where safe and practicable.
Removal method	Mechanically cleaned and placed in appropriate containers for disposal.
Secondary disaster prevention measures	Thoroughly clean contaminated objects and areas in compliance with environmental regulations.

6.4 Reference to other sections

Please refer to sections 8 and 13.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe operation

Operate in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes or clothing. Wear appropriate gloves and eye/face protection. Do not eat, drink or smoke while using this product.

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7.2 Conditions of safe storage, including any incompatibilities

Storage conditions	Keep container tightly closed and store in a dry, cool and well-ventilated place. Keep out of reach of children.
prohibition on disposable material	Strong oxidising agents, strong acids and strong bases.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameter

Does not contain substances with occupational exposure limits.

8.2 Exposure control

Appropriate technical controls	Change contaminated clothing. Wash your hands after using this substance.
Individual protective equipment	Protect your eyes with safety glasses that have been tested and approved according to official standards.
Skin protection	No requirements.
Respiratory protection	No requirements.
Control of environmental exposure	No special precautions necessary.

Section 9: PHYSICAL AND CHEMICAL PROPERTION

9.1 Information on basic physical and chemical properties

a) Appearance and shape	Powder (solid)
b) Colour	ash-colored
c) Odours	odourless
d) pH value	/
e) Melting point/solidification point	No relevant information
f) Initial boiling point and boiling range	No relevant information
g) Flash point	inapplicable
h) Evaporation rate	inapplicable
i) Flammable	No relevant information
j) High/low flammability or explosivity limits	No relevant information
k) Vapour pressure	inapplicable
l) Vapour density	No relevant information
m) Density	No relevant information
n) Solubility	Fully soluble
o) Spontaneous combustion temperature	No relevant information

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- | | |
|------------------------------|-------------------------|
| p) Decomposition temperature | No relevant information |
| q) Stickiness | inapplicable |
| r) Explosive properties | No relevant information |
| s) Oxidation | No relevant information |

9.2 Other security information

No data available.

Section 10: STABILITY AND REACTIVITY

10.1 Stability

This product is chemically stable under standard ambient conditions (room temperature).

10.2 Hazardous reaction

Does not occur during normal processing.

10.3 Conditions to be avoided

Prolonged exposure to air or moisture.

10.4 Prohibition on disposable material

Strong oxidising agents, strong acids and strong bases.

10.5 Hazardous decomposition products

Thermal decomposition results in the release of irritating, toxic gases and vapours.

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Mixtures

No information available.

Acute toxicity

Swallowing is harmful.

Composition	Endpoint category	Dosages	Contact time	Toxicological effect
N,N-Diethyl-p-phenylenediamine sulphate CAS No. : 6283-63-2	mice	695mg/Kg	No data available	No data available

Possible routes of exposure

Eating in:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Harmful if swallowed.

Inhale:

May cause respiratory irritation.

Skin contact:

May cause irritation. Prolonged exposure may cause redness and irritation.

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Eye contact:

Causes severe eye irritation. May cause redness, itching and pain

Symptomatic

May cause redness and tearing of the eyes.

Ingredient sensitisation data

No relevant information is available.

STOT - Single Touch

Based on available data, it does not meet the classification criteria.

STOT - repeated exposure

Based on available data, it does not meet the classification criteria.

Component-specific target organ toxicity single exposure data

No relevant information is available.

Component-specific target organ toxicity repeat exposure data

No relevant information is available.

Carcinogenicity

Based on available data, it does not meet the classification criteria.

Mutagenicity

Based on available data, it does not meet the classification criteria.

Reproductive toxicity

Based on available data, it does not meet the classification criteria.

Section 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Mixtures No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulation potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Evaluation of results for PBT and vPvB

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other environmentally harmful effects

No data available.

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Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste disposal methods

Offerings	Dispose of surplus and non-recyclable solutions to a licensed company.
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Section 14: TRANSPORTATION INFORMATION

14.1 UN number

European Land Transport Dangerous Goods Regulations / ADR/RID: –
International Maritime Dangerous Goods Regulations / IMDG: –
International Air Transport Dangerous Goods Regulations / IATA–DGR: –

14.2 UN proper shipping name

European Land Transport Dangerous Goods Regulations / ADR/RID: Non-dangerous goods.
International Maritime Dangerous Goods / IMDG: Non-dangerous goods.
International Air Transport Dangerous Goods Regulations / IATA-DGR: Non-dangerous goods.

14.3 Transport hazard class(es) / Transport hazard class(es)

European Land Transport Dangerous Goods Regulations / ADR/RID: –
International Maritime Dangerous Goods Regulations / IMDG: –
International Air Transport Dangerous Goods Regulations / IATA-DGR: –

14.4 Packaging group

European Land Transport Dangerous Goods Regulations / ADR/RID: -
International Maritime Dangerous Goods Regulations / IMDG: -
International Air Transport Dangerous Goods Regulations / IATA-DGR: -

14.5 Environmental hazards

No environmental hazards.

14.6 Special precautions / Special precautions for user

None.

14.7 Other information

Not classified as dangerous goods under transport regulations.

Section 15: REGULATORY INFORMATION

15.1 Regulations/laws specific to the safety, health and environment of the substance or mixture.

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

Catalogue of occupational hazards Not applicable.

Catalogue of occupational diseases Not applicable.

15.2 Regulations on the Safe Management of Hazardous Chemicals

Catalogue of hazardous chemicals Not applicable.

GB 18218-2009 Identification of major sources of danger of dangerous chemicals Not applicable.

List of Priority Regulated Hazardous Chemicals Not applicable.

Catalogue of highly toxic substances Not applicable.

Catalogue of Toxic Chemicals Strictly Restricted for Import and Export in China Not applicable.

15.3 Environmental Management Approach for New Chemical Substances

Inventory of Existing Chemical Substances in China (IECSC) Conformity.

TSCA Conformity.

DSL/NDSL Conformity.

European Inventory of Existing Commercial Chemical Substances (EINECS) Conformity.

European Inventory of Notified Chemical Substances (ELINCS) Conformity.

Korea Existing Chemical List (KECL) Conformity.

Philippine Inventory of Chemicals and Chemical Substances (PICCS) Conformity.

TCSI Conformity.

AICS Conformity.

15.4 International regulations

Montreal Convention on Substances that Deplete the Ozone Layer Not applicable.

Stockholm Convention on Persistent Organic Pollutants Not applicable.

Rotterdam Convention Not applicable.

15.5 Other provisions

Please note that waste disposal should also fulfil the requirements of local regulations.

Section 16: OTHER INFORMATION

Other information

The above information is considered correct but is not all-inclusive and is intended to be used as a guide only. The information in this document is based on our current knowledge and applies to this product insofar as the correct safety precautions are concerned. This information does not represent a warranty as to the nature of this product and JENSPRIMA and its affiliates shall not be liable for any damages arising out of the operation of, or contact with, said product.