

Safety Data Sheet

Title: **Solution D2, Solution D3 SDS**

Document #: SDS-0008 / Revision. C

Status: Current; Effective Date: 06/01/2020

SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY IDENTIFICATION

1.1 Product identifier

Product Name Solution D2, Solution D3

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

Identified uses Laboratory chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer Phase Scientific International Limited
32/F, Gravity, 29 Hing Yip Street,
Hong Kong
Phone: +852 9135 2570

1.4 Emergency telephone number

Emergency Number +1 (657) 296-6106 [US]
+852 9135 2570 [Hong Kong]

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classify according to Regulation (EC) No 1272/2008

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: Void

2.3 Other hazards

PBT: Not applicable
vPvB: Not applicable

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Single Substance or Mixture

Mixtures of the substances listed below with harmless additions.

Additional information

For the wording of the listed hazard phrases refer to Section 16.

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information

No special measures required.

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Inhalation

Remove to fresh air. If symptoms persist, consult a physician.

Skin contact

Immediately wash with water thoroughly.

Eye contact

Rinse cautiously with water for several minutes under running water.

Ingestion

Rinse out mouth and then drink plenty of water. If symptoms persist, consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents.

Use firefighting measures that suit the environment.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Mount respiratory protective device.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

6.2 Environmental precautions

Dilute with plenty of water.

6.3 Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections

No dangerous substances are released.

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Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

No special precautions are necessary if used correctly.

Information about protection against explosions and fires.

The product is not flammable.

7.2 Conditions for safe storage, including any incompatibilities

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep receptacle tightly sealed.

7.3 Specific end use(s)

No further relevant information available

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical system

No further data

8.1 Control parameters

Components with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information

The lists that were valid during the creation were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to when handling chemicals.

Breathing equipment

Suitable respiratory protective device recommended.

Protection of hands

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Natural rubber, NR

Nitrile rubber, NBR

Eye protection: Safety glasses

Body protection: Protective work clothing

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Cloudy solution
Odour	Characteristic
pH value at 20°C	6.3
Melting point	Undetermined
Initial boiling point and boiling range	> 100 °C
Flash point	Not applicable
Self-igniting	Product is not self-igniting
Density	No determined
Solubility in water	Fully miscible
Solvent content: organic solvents	0.0%
Solid solvent	2.0%

9.2 Other information

No further relevant information available

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	
Thermal decomposition/conditions to be avoided	No decomposition if used according to specifications
10.3 Possibility of hazardous reactions	No dangerous reactions known
10.4 Conditions to avoid	No data available

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10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No dangerous reactions known

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met
Skin irritation/corrosion	Based on available data, the classification criteria are not met
Serious eye damage/ eye irritation	Based on available data, the classification criteria are not met
Respiratory or skin sensitization	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	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

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity No data available

12.2 Persistence and degradability

No data available

12.3 Bio-accumulative potential

No data available

12.4 Mobility in soil

No data available

Additional ecological information

General notes: Generally, not hazardous for water.

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation. Small amounts may be diluted with plenty of water and washed away.
Dispose of bigger amounts in accordance with Local Authority requirements

Uncleaned packaging

Disposal should be in accordance with applicable local laws and regulations
Recommended cleansing agent: Water, if necessary, with cleansing agents.

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Section 14: TRANSPORT INFORMATION

14.1 UN number: ADR, ADN, IMDG, IATA	Not regulated
14.2 UN proper shipping name: ADR, ADN, IMDG, IATA	Not regulated
14.3 Transport hazard class(es): ADR, AND, IMDG, IATA	Not regulated
14.4 Packaging group: ADR, IMDG, IATA	Not regulated
14.5 Environmental hazards: Marine pollutant	No
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
Transport/Additional information	Not dangerous according to the above specifications
UN model regulation	-

Section 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Water hazard class: Generally, not hazardous for water.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

Section 16: OTHER INFORMATION

Further information

This information is based on our present knowledge. The information given is designed only as a guidance for safe handling and is not to be considered a warranty or quality specification. All materials and mixtures may present unknown hazards and should be used with caution.

DISCLAIMER: Not for drug, household or other uses.