

# Safety Data Sheet in accordance with GB/T 16483 and GB/T 17519

## Hostaperm Yellow H4G 70-CN

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|                             | First compiled on: 2008/12/15 |
| Substance key: 000000250477 | Revision Date: 2025/08/13     |
| Version : 1 - 10 / CHI      | Date of printing : 2026/07/15 |

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Trade name

Hostaperm Yellow H4G 70-CN

Material number: 297699

CAS-No.: 31837-42-0

#### Use of the Substance/Mixture

Industry sector : Industrial Performance Chemicals  
Paints, lacquers and varnishes industry  
Polymers industry  
Printing Inks Industry  
Type of use : Colouring agent

#### Identification of the company

Sudarshan Germany Horizons GmbH

Brüningstraße 50  
65929 Frankfurt am Main  
Telephone : +49 69 305 62 00

#### Information about the substance/preparation

Product Stewardship  
E-mail address: SDS.PI.Europe@sudarshan.com

**Emergency telephone number:** +86 532-83889090 (For product with GHS classification  
(Qingdao NRCC))  
+86 21 62126881 (For product without GHS classification  
(Shanghai office))

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

|                   |                 |
|-------------------|-----------------|
| <b>Appearance</b> | : powder        |
| <b>Colour</b>     | : yellow        |
| <b>Odour</b>      | : not specified |

Not a hazardous substance or mixture.

#### GHS Classification

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Physical and chemical hazards

Not classified based on available information.

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### Health hazards

Not classified based on available information.

### Environmental hazards

Not classified based on available information.

### Other hazards which do not result in classification

Risk of dust explosion.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

|                     |                           |
|---------------------|---------------------------|
| Substance / Mixture | : Substance               |
| Substance name      | : C.I. Pigment Yellow 151 |
| CAS-No.             | : 31837-42-0              |

### Components

No hazardous ingredients

## 4. FIRST AID MEASURES

|                                                             |                                                                                                            |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| General advice                                              | : Get medical advice/ attention if you feel unwell.                                                        |
| If inhaled                                                  | : If inhaled, remove to fresh air.                                                                         |
| In case of skin contact                                     | : In case of contact, immediately flush skin with plenty of water.                                         |
| In case of eye contact                                      | : Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.    |
| If swallowed                                                | : If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label              |
| Most important symptoms and effects, both acute and delayed | : No symptoms known currently.<br>No additional hazards are known except those derived from the labelling. |
| Notes to physician                                          | : Treat symptomatically.                                                                                   |

## 5. FIREFIGHTING MEASURES

|                                |                                                               |
|--------------------------------|---------------------------------------------------------------|
| Suitable extinguishing media   | : Water spray jet<br>Foam                                     |
| Unsuitable extinguishing media | : High volume water jet<br>Carbon dioxide (CO2)<br>Dry powder |

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- Specific hazards during fire-fighting : In case of fires, hazardous combustion gases are formed:  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)
- Specific extinguishing methods : Wear suitable protective equipment.
- Special protective equipment for firefighters : Self-contained breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.  
Avoid dust formation.  
Keep away sources of ignition.
- Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.
- Methods and materials for containment and cleaning up : Avoid dust formation.  
Take measures to prevent the build up of electrostatic charge.  
Use mechanical handling equipment.  
Treat recovered material as described in the section "Disposal considerations".
- Prevention of secondary hazards : Keep away sources of ignition, stop running engines, no smoking.  
Take up in the dry state without forming dust. Consider Recycling

## 7. HANDLING AND STORAGE

### Handling

- Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.  
Keep away from heat and sources of ignition.  
Dust can form an explosive mixture in air.
- Advice on safe handling : When used and handled appropriately no special measures are needed  
Avoid dust formation.
- Avoidance of contact : not known

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### Storage

- Conditions for safe storage : Keep only in the original container.  
Keep container tightly closed.
- Further information on storage conditions : Keep container dry.
- Materials to avoid : No materials to be especially mentioned.  
Keep away from food and drink.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures : Handle only in a place equipped with local exhaust (or other appropriate exhaust).

### Personal protective equipment

- Respiratory protection : Respirator must be worn if exposed to dust.
- Eye/face protection : Safety glasses
- Skin and body protection : Wear suitable protective equipment.
- Hand protection  
Remarks : Nitrile rubber gloves. Minimum breakthrough time (glove): not determined Minimum thickness (glove): not determined Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
- Protective measures : Wear suitable protective equipment.
- Hygiene measures : Wash hands before breaks and at the end of workday.  
Use protective skin cream before handling the product.  
Take off immediately all contaminated clothing and wash it before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : powder
- Colour : yellow
- Odour : not specified

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|                                                  |                                                                                                 |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Odour Threshold                                  | : cannot be determined                                                                          |
| pH                                               | : 5.5 - 8.5<br>GLP: no                                                                          |
| Melting point                                    | : Method: DTA<br>Decomposes before melting.                                                     |
| Boiling point                                    | : Not applicable                                                                                |
| Flash point                                      | : Not applicable                                                                                |
| Evaporation rate                                 | : Not applicable                                                                                |
| Flammability (solid, gas)                        | : The product is not flammable.<br>Remarks: Combustibility test (Corresponding to EC Directive) |
| Self-ignition                                    | : >=<br>320 °C<br>Method: VDI 2263 (Grewer)<br>GLP: no                                          |
| Burning number                                   | : 3 (20 °C)<br>GLP: no<br>Local combustion without spreading                                    |
| Upper explosion limit / Upper flammability limit | : not tested.                                                                                   |
| Lower explosion limit / Lower flammability limit | : not tested.                                                                                   |
| Vapour pressure                                  | : Not applicable                                                                                |
| Relative vapour density                          | : Not applicable                                                                                |
| Relative density                                 | : not tested.                                                                                   |
| Density                                          | : 1.55 g/cm <sup>3</sup><br>GLP: no                                                             |
| Bulk density                                     | : 230 kg/m <sup>3</sup> (20 °C)                                                                 |
| Solubility(ies)<br>Water solubility              | : 17.8 µg/l (25 °C)<br>pH: 7<br>Method: ETAD method                                             |

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|                                        |                                                                                                                  |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Partition coefficient: n-octanol/water | : log Pow: 1.07 (25 °C)<br>pH: 7<br>Method: Other                                                                |
| Auto-ignition temperature              | : Not applicable                                                                                                 |
| Decomposition temperature              | : > 300 °C<br>Heating rate: 3 K/min<br>Decomposition energy (mass): 150 kJ/kg<br>Method: DTA<br>closed cup       |
| Viscosity                              |                                                                                                                  |
| Viscosity, dynamic                     | : Not applicable                                                                                                 |
| Viscosity, kinematic                   | : Not applicable                                                                                                 |
| Oxidizing properties                   | : The substance or mixture is not classified as oxidizing.<br>Method: Expert judgement                           |
| Self-heating substances                | : Storage temperature: 198 °C<br>Critical temperature: 200.4 °C (89 min)                                         |
| Surface tension                        | : Based on chemical structure, no surface activity is expected or can be predicted.                              |
| Sublimation point                      | : Not applicable                                                                                                 |
| Molecular weight                       | : No data available                                                                                              |
| Dust deflagration index (Kst)          | : 177 m.b_/s<br>GLP: no                                                                                          |
| Dust explosion class                   | : St1                                                                                                            |
| Metal corrosion rate                   | : Not corrosive to metals                                                                                        |
| Minimum ignition energy                | : 6 - 13 mJ<br>with inductive electrical resistance<br><br>13 - 30 mJ<br>without inductive electrical resistance |
| Particle characteristics               |                                                                                                                  |
| Particle size                          | : 3.8 µm                                                                                                         |

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## 10. STABILITY AND REACTIVITY

|                                    |                                                                                                                 |
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| Reactivity                         | : See section 10.3. "Possibility of hazardous reactions"                                                        |
| Chemical stability                 | : Stable                                                                                                        |
| Possibility of hazardous reactions | : No dangerous reaction known under conditions of normal use.<br>Potential dust explosion hazard.               |
| Conditions to avoid                | : ignition<br>Keep away from heat.<br>Keep away from open flames, hot surfaces and sources of ignition.         |
| Incompatible materials             | : not known                                                                                                     |
| Hazardous decomposition products   | : When handled and stored appropriately, no dangerous decomposition products are known<br>Nitrogen oxides (NOx) |

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### **Product:**

|                           |                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Acute oral toxicity       | : LD50 (Rat, female): > 15,000 mg/kg<br>Method: OECD Test Guideline 401<br>GLP: no<br>Remarks: No significant adverse effects were reported |
| Acute inhalation toxicity | : Remarks: No data available                                                                                                                |
| Acute dermal toxicity     | : Remarks: not required                                                                                                                     |

### Skin corrosion/irritation

#### **Product:**

|               |                      |
|---------------|----------------------|
| Species       | : Rabbit             |
| Exposure time | : 24 h               |
| Method        | : Other              |
| Result        | : No skin irritation |
| GLP           | : yes                |

### Serious eye damage/eye irritation

#### **Product:**

|         |                     |
|---------|---------------------|
| Species | : Rabbit            |
| Result  | : No eye irritation |

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Exposure time : 72 h  
Method : OECD Test Guideline 405  
GLP : yes

### Respiratory or skin sensitisation

#### Product:

Test Type : Local lymph node assay (LLNA)  
Exposure routes : Dermal  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : Not a skin sensitizer.  
GLP : yes

: Maximisation Test  
: Dermal  
: Guinea pig  
: OECD Test Guideline 406  
: Not a skin sensitizer.  
: yes  
Remarks : By analogy with a product of similar composition

### Germ cell mutagenicity

#### Product:

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Concentration: 3 - 5000 µg/plate  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Test Type: Ames test  
Test system: Escherichia coli  
Concentration: 3 - 5000 µg/plate  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster lung cells  
Concentration: 0,2 - 500 µg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: yes  
Remarks: By analogy with a product of similar composition

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Test Type: In vitro cytogenicity study in mammalian cells  
Test system: Chinese hamster lung cells  
Concentration: 6,3 - 1200 µg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: yes  
Remarks: By analogy with a product of similar composition

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse (male and female)  
Strain: NMRI  
Cell type: Bone marrow  
Application Route: oral (gavage)  
Exposure time: 30 h  
Dose: 50 - 500 - 5000 mg/kg  
Method: OECD Test Guideline 474  
Result: negative  
GLP: yes  
Remarks: By analogy with a product of similar composition

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects

### Carcinogenicity

#### Product:

Carcinogenicity - Assessment : No information available.

### Reproductive toxicity

#### Product:

Effects on fertility : Test Type: reproductive and developmental toxicity study  
Species: Rat, male and female  
Strain: wistar  
Application Route: oral (gavage)  
Dose: 0, 100, 300 and 1000 mg/kg bw  
Duration of Single Treatment: 28 - 42 d  
Frequency of Treatment: 1 daily  
General Toxicity - Parent: NOAEL: 1,000 mg/kg body weight  
General Toxicity F1: NOAEL: 1,000 mg/kg body weight  
Method: OECD Test Guideline 421  
GLP: yes  
Remarks: By analogy with a product of similar composition

Effects on foetal development : Test Type: reproductive and developmental toxicity study  
Species: Rat, male and female  
Strain: wistar  
Application Route: oral (gavage)

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Dose: 0, 100, 300 and 1000 mg/kg bw  
Frequency of Treatment: 1 daily  
General Toxicity Maternal: NOAEL: 1,000 mg/kg body weight  
Teratogenicity: NOAEL: 1,000 mg/kg body weight  
Developmental Toxicity: NOAEL: 1,000 mg/kg body weight  
Method: OECD Test Guideline 421  
GLP: yes  
Remarks: By analogy with a product of similar composition

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

### STOT - single exposure

#### Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT - repeated exposure

#### Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Repeated dose toxicity

#### Product:

Species : Rat, male and female  
NOAEL : 1000 mg/kg bw/day  
Application Route : oral (gavage)  
Exposure time : 40 - 49 d  
Number of exposures : once daily  
Dose : 0, 100, 300, 1000 mg/kg bw/day  
Control Group : yes  
Method : OECD Test Guideline 422  
GLP : yes  
Remarks : By analogy with a product of similar composition

Application Route : Oral  
Method : Repeated Dose Toxicity (subchronic study)  
Remarks : The study is not necessary from a scientific perspective.

Application Route : Inhalation  
Method : Repeated Dose Toxicity (subchronic study)  
Remarks : The study is not necessary from a scientific perspective.

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## Aspiration toxicity

### Product:

No aspiration toxicity classification

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 1 mg/l  
End point: mortality  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
GLP: yes  
Remarks: No toxicity at the limit of solubility  
By analogy with a product of similar composition

EC0 (Danio rerio (zebra fish)): 1 mg/l  
End point: mortality  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
GLP: yes  
Remarks: No toxicity at the limit of solubility  
By analogy with a product of similar composition

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 202  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.

EC0 (Daphnia magna (Water flea)): 100 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 202  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to algae/aquatic : ErC50 (Desmodesmus subspicatus (green algae)): > 1 mg/l

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|                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| plants                                                                 | <p>End point: Growth rate<br/>Exposure time: 72 h<br/>Test Type: static test<br/>Analytical monitoring: yes<br/>Method: OECD Test Guideline 201<br/>GLP: yes<br/>Remarks: No toxicity at the limit of solubility<br/>By analogy with a product of similar composition</p> <p>NOEC (Desmodesmus subspicatus (green algae)): 1 mg/l<br/>End point: Growth rate<br/>Exposure time: 72 h<br/>Test Type: static test<br/>Analytical monitoring: yes<br/>Method: OECD Test Guideline 201<br/>GLP: yes<br/>Remarks: No toxicity at the limit of solubility<br/>By analogy with a product of similar composition</p> |
| Toxicity to fish (Chronic toxicity)                                    | : Remarks: not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : <p>NOEC (Daphnia magna (Water flea)): 1 mg/l<br/>End point: Reproduction rate<br/>Exposure time: 21 d<br/>Test Type: semi-static test<br/>Analytical monitoring: yes<br/>Method: OECD Test Guideline 211<br/>GLP: yes<br/>Remarks: No toxicity at the limit of solubility<br/>By analogy with a product of similar composition</p>                                                                                                                                                                                                                                                                         |
| Toxicity to microorganisms                                             | : <p>EC50 (activated sludge): &gt; 1,000 mg/l<br/>End point: Bacteria toxicity (respiration inhibition)<br/>Exposure time: 3 h<br/>Test Type: aquatic<br/>Analytical monitoring: no<br/>Method: OECD Test Guideline 209<br/>GLP: yes<br/>Remarks: By analogy with a product of similar composition</p>                                                                                                                                                                                                                                                                                                       |
| Toxicity to soil dwelling organisms                                    | : <p>Test Type: artificial soil<br/>NOEC (Eisenia fetida (earthworms)): 1,000 mg/kg<br/>Exposure time: 56 d<br/>End point: mortality<br/>Method: OECD Test Guideline 222<br/>GLP: yes<br/>Remarks: By analogy with a product of similar composition</p>                                                                                                                                                                                                                                                                                                                                                      |
| Plant toxicity                                                         | : <p>NOEC: 1,000 mg/kg<br/>Exposure time: 21 d</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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End point: Growth  
Species: Brassica napus  
Analytical monitoring: no  
Method: OECD Guide-line 208  
GLP: yes  
Remarks: By analogy with a product of similar composition

NOEC: 1,000 mg/kg  
Exposure time: 21 d  
End point: Growth  
Species: Avena sativa (oats)  
Analytical monitoring: no  
Method: OECD Guide-line 208  
GLP: yes  
Remarks: By analogy with a product of similar composition

NOEC: 1,000 mg/kg  
Exposure time: 21 d  
End point: Growth  
Species: Glycine max (G. soja)  
Analytical monitoring: no  
Method: OECD Guide-line 208  
GLP: yes  
Remarks: By analogy with a product of similar composition

### Persistence and degradability

#### Product:

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Concentration: 30 mg/l  
Result: Not readily biodegradable.  
Biodegradation: 10 % (Biochemical Oxygen Demand (BOD))  
Exposure time: 28 d  
Method: OECD Test Guideline 302C  
GLP: yes  
Remarks: By analogy with a product of similar composition

Physico-chemical removability : Remarks: Not readily biodegradable.

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

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## Mobility in soil

### Product:

Distribution among environmental compartments : adsorption  
Medium: water - soil  
Remarks: Not expected to adsorb on soil.

## Other adverse effects

### Product:

Environmental fate and pathways : Remarks: not available

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated packaging : This material and its container must be disposed of in a safe way.

## 14. TRANSPORT INFORMATION

|        |                |
|--------|----------------|
| IATA   | not restricted |
| IMDG   | not restricted |
| TDG_CN | not restricted |
| RID    | not restricted |

## 15. REGULATORY INFORMATION

### National regulatory information

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

GB/T 30000.31-2023: Specification for classification and labelling of chemicals—Part 31: Precautionary label for workplace of chemicals

Decree No. 591 of the State Council of the People's Republic of China: Regulations on the Control over Safety of Hazardous Chemicals.

GB 6944-2025: Classification and code of dangerous goods.

GB 12268-2025: List of dangerous goods.

GB 190-2009: Packing symbol of dangerous goods.

GB 30000.1~30, Rules for classification and labelling of chemicals.

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**Law of the People's Republic of China on Prevention and Control of Occupational Diseases (Amended in 2011).**

**The components of this product are reported in the following inventories:**

## 16. OTHER INFORMATION

Revision Date : 2025/08/13

### Further information

Other information : Observe national and local legal requirements

Date format : yyyy/mm/dd

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

# Safety Data Sheet in accordance with GB/T 16483 and GB/T 17519



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