





# MERCHEM LIMITED

## SAFETY DATA SHEET

MERCURE SBEC  
MSDS No. 19/20.03.2015

Hazard pictograms :



Signal Word      Warning

**Hazard Statements**  
H302 - Harmful if swallowed  
H315 - Causes skin irritation.  
H320 - Causes eye irritation

**Precautionary Statements - Prevention**  
P280 - Wear protective gloves/ eye protection/ face protection.  
P264 - Wash hands&skin thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.

**Precautionary Statements - Response**  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302 + P352 - IF ON SKIN: wash with plenty of soap and water  
P337 + P313 - IF eye irritation persists: Get medical advice/attention.

**Precautionary Statements - storage**  
P403 + P233+P235 - Store in a well-ventilated place. Keep container tightly closed, Keep cool.

**Precautionary Statements - Disposal**  
P501 - Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable. Substance is a mixture

### 3.2 Mixtures

**Chemical description**                      : Sodium dibenzyl dithiocarbamate

#### Composition/Information on ingredients

| Chemical Name                   | CAS No.    | EC No.    | Annex-1 Index No. | Weight %    |
|---------------------------------|------------|-----------|-------------------|-------------|
| Sodium dibenzyl dithiocarbamate | 55310-46-8 | 259-587-9 | --                | 26 (approx) |
| Water                           | 7732-18-5  | --        | --                | 74 (approx) |



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#### SECTION 4: FIRST AID MEASURES

##### 4.1 Description of first-aid measures

**Symptoms and effects** : May cause alcohol intolerance. Harmful if swallowed. Irritating to eyes and skin.

**General** : Do not drink alcohol after exposure

**Inhalation** : Always seek medical advice in case of significant exposure

**Skin** : Remove all contaminated clothing immediately. Wash with plenty of soap and water. Seek medical advice if irritation develops. Launder clothes before reuse.

**Eyes** : Rinse immediately as long as a possible with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing Seek medical advice if Irritation persist

**Ingestion** : If victim is conscious and alert, rinse mouth, give 1-2 glasses of water to drink. Do not induce vomiting. Seek medical attention.

##### 4.2 Most important symptoms and effects, both acute and delayed

No data available

##### 4.3 Indication of immediate medical attention and special treatment needed

No data available

#### SECTION 5: FIRE FIGHTING MEASURES

##### 5.1 Extinguishing media

**Suitable extinguishing media:** Water spray, water mist, foam, dry chemical powder.

##### 5.2 Specific hazards arising from the substance or mixture

Emits toxic fumes under fire conditions: Sulphur dioxide (SO<sub>2</sub>), Nitrous gases (NO<sub>x</sub>).

##### 5.3 Protective Equipment and Precautions for Firefighters

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Do not allow run-off from fire fighting to enter drains or water courses.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### 6.1 Personal precautions, protective equipment and emergency procedures

- Use personal protective equipment.
- Avoid breathing vapors, mist or gas. Ensure adequate ventilation.



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#### 6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so.
- Do not let product enter drains.
- Discharge to the environment must be avoided

#### 6.2 Methods and materials for containment and cleaning up

- Stop leakage if possible.
- Collect as much as possible in a clean container for (preferable) reuse or disposal.
- Cover the remainder with inert absorbent (e.g. vermiculite) for disposal.

#### 6.4 Reference to other sections

- See section 7,8 & 13

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

- Avoid breathing vapors and mists.
- Avoid direct or prolonged contact with skin and eyes.
- Use personal protective equipment.
- The usual precautions for handling chemicals should be observed

#### 7.2 Conditions for safe storage, including any incompatibilities

- Store in cool place.
- Keep container tightly closed in a dry and well-ventilated place preferably under dry inert gas.

#### 7.3 Specific end uses

- A part from the uses mentioned in section 1.2 no further relevant information available

### SECTION 8: EXPOSURE CONTROL/PERSONNEL PROTECTION

#### 8.1 Control parameters

Components with workplace control parameters

#### 8.2 Exposure controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

#### **Personal Protective Equipment:**

**Eye/face Protection** :Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin Protection** : Skin contact should be minimized through use of gloves and suitable long-sleeved clothing. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands



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**Body Protection** : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

**Environmental exposure controls**: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                                 |                               |
|---------------------------------|-------------------------------|
| a) Appearance Form              | : Liquid                      |
| b) Colour                       | : Pale yellow ,light green    |
| c) Odour                        | : Characteristic (mild)       |
| d) pH                           | : 9.0-11.0                    |
| e) Melting point/range          | : Not applicable              |
| f) Boiling point /boiling range | : >100°C                      |
| g) Flash point                  | : No data available           |
| h) Explosive propertive         | : No data available           |
| i) Flammability (solid, gas)    | : No data available           |
| j) Explosion Limits             | : No data available           |
| k) Vapour pressure              | : approx. 2.2 kPa ( 20 °C )   |
| l) Specific gravity             | : 1070-1090 kg/m <sup>3</sup> |
| m) Bulk Density                 | : Not Applicable              |
| n) solubility                   | : Miscible with water         |
| o) Partition coefficient        | : No data available           |
| p) Auto-ignitiontemperature     | : No data available           |
| q) Viscosity @25°C              | : Not determined              |
| r) Oxidizing properties         | : No data available           |

### 9.2 Other information

No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

- No data available

### 10.2 Chemical Stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

- No hazardous reactivity has been reported.



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#### 10.4 Conditions to Avoid

- Heat sensitive.

#### 10.5 Incompatible materials to avoid

- Strong Oxidising agents & strong Acids .

#### 10.6 Hazardous Decomposition Products

- Thermal: Emits toxic fumes of Sulphur dioxide (SO<sub>2</sub>), Nitrous gases (NO<sub>x</sub>).

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

|  |   |
|--|---|
| <b>Acute oral toxicity</b> (LD50/oral/rat) | : >5000 mg/kg.  |
| <b>Acute Inhalation toxicit</b>            | : No data available   |
| <b>Skin irritation/sensitization</b>       | : Slightly irritating to skin but not sufficient for classification.<br>Not sensitizing |
| <b>Eye Irritation</b>                      | : Slightly irritating to skin but not sufficient for classification.                    |
| <b>Genotoxicity</b>                        | : No data available   |
| <b>Reproductive toxicity</b>               | : No data available   |
| <b>Carcinogenic effects</b>                | : No data available   |

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Ecotoxicity

|                 |   |
|-----------------|---|
| <b>Fish</b>     | 96h-LC50 (Poe cilia reticulata): 1.64 - 3.94 mg/l.<br>96h-LC50 (Poe cilia reticulata): 6.9 mg/l (Lit.). |
| <b>Daphnia</b>  | 48h-EC50 (Daphnia magna): 0.91 mg/l (Lit.)  |
| <b>Algae</b>    | 96 h-EC50 (Chloral a pyrenoidosa): 1.4 mg/l (Lit.).   |
| <b>Bacteria</b> | 15min-EC50 (Photo bacterium phosphoreum): 1.22 mg/l (Lit.).   |

#### 12.2 Mobility in soil

No data available

#### 12.3 Persistence and degradability

No data available.

#### 12.4 Bioaccumulative Potential

No data available.

#### 12.5 Results of PBT and vPvB assessment

No data available

#### 12.6 Other adverse effects

No data available



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#### 12.7 Other information

Do not allow product to reach ground water, water course or sewage system.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste Disposal Method

##### Product

- Contact a licensed professional waste disposal service to dispose of this material.

##### Contaminated Packing

- Dispose of as unused product according to local regulations.

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 Road transport (ADR/RID/ADN)

|                      |                     |
|----------------------|---------------------|
| ADR/RID Class        | 9                   |
| UN-No                | 3082                |
| Packing Group        | III                 |
| Proper Shipping Name | Not dangerous goods |

#### 14.2 Sea transport (IMDG)

|                      |                     |
|----------------------|---------------------|
| Class                | 9                   |
| UN-No                | 3082                |
| Packing Group        | III                 |
| Marine pollutant     | No                  |
| Proper Shipping Name | Not dangerous goods |



#### 14.3 Air transport (ICAO-TI/IATA)

|                      |                     |
|----------------------|---------------------|
| Class                | 9                   |
| UN-No                | 3082                |
| Packing Group        | III                 |
| Proper Shipping Name | Not dangerous goods |

#### 14.4 Other information

No data available.

#### 14.5 Environmental hazards

No data available.

#### 14.6 Special precautions for user

No data available .

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.



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#### SECTION 15: REGULATORY INFORMATION

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

Regulation 1907/2006 REGULATION (EC) No 1272/2008

Classification according to EU directives 67/548/EEC or 1999/45/EC

##### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

#### SECTION 16: OTHER INFORMATION

##### This data sheet contains changes from the previous version in section(s)

|                     |  |
|---------------------|--|
| Issue No.           | 2  |
| Issue date          | 20.03.2015   |
| Revision No.        | 0  |
| Reason for revision | : Reviewed & revamped based on the guide lines of Regulation (EC) No 1907/2006 |

##### Classification of dangerous substance directive (67/548/EEC)

- Xn Harmful if swallowed
- Xi Irritating to eyes and skin

##### List of relevant R(isk)-phrase(s)

- R 22 Harmful if swallowed

##### List of relevant S(afety)-phrase(s)

- S 22 Do not breathe dust
- S 24/25 Avoid contact with skin and eyes.
- S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S60 This material and its container must be disposed of as hazardous waste
- S61 Avoid release to the environment. Refer to special instructions/safety data sheets

##### Training advice

Provide adequate information, instruction and training to operators

##### Further information for the material safety data sheet

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

End of Material Safety Data Sheet