



## SAFETY DATA SHEET

### DI ISONONYL PHTHALATE

#### 1.IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

|                         |  |
|-------------------------|--|
| Product name:           | DI ISONONYL PHTHALATE  |
| Recommended use:        | Chemical for industrial  |
| Manufacturer/Supplier:  | <b>MODERN CHEMICAL CO.,LTD.</b><br>82/80 Soi Ekamai 22 (Nuannoi), Sukhumvit 63,<br>Klong Tan Nuea, Watthana, Bangkok 10110 |
| Telephone No:           | 0-2715-0897-9, 0-2392-3410-3   |
| Fax No:                 | 0-2715-0908-9, 0-2391-1571-2   |
| Emergency Telephone No: | 0-2715-0897-9, 0-2392-3410-3   |

#### 2. HAZARDS IDENTIFICATION

##### Label elements

Pictogram



Signal word

Danger

##### Hazard statement(s)

- 1.) Causes skin irritation.
- 2.) May be fatal if swallowed and enters airways.
- 3.) May cause drowsiness or dizziness.
- 4.) Toxic to aquatic life with long lasting effects.
- 5.) May damage the unborn child. Suspected of damaging fertility.

##### Precautionary statement(s)

- 1.) Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- 2.) Avoid release to the environment.



- 3.) IF SWALLOWED: call a doctor/physician. Do NOT induce vomiting.
- 4.) IF IN EYES: Rinse cautiously with water for 15 minutes.
- 5.) IF ON SKIN Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: N/A

| Ingredients           | % (w/w) | CAS NO.    |
|-----------------------|---------|------------|
| DI ISONONYL PHTHALATE | 100     | 68515-48-0 |

### 4. FIRST AID MEASURES

- General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.
- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- Skin contact:** Wash off with soap and plenty of water. Consult a physician.
- Eye contact:** Flush eyes with water as a precaution.
- Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media:**

No data available

**Specific hazards arising from Chemicals:**

Carbon oxides

**Special protective equipment for fire-fighters:**

Wear self contained breathing apparatus for fire fighting if necessary.

### 6. ACCIDENTAL RELEASE MEAS

- Precautions:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.



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

**Methods and Material for Containment and Clean Up:**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling & Product Transfer:**

Avoid exposure - obtain special instructions before use. Avoid inhalation of vapour or mist.

**Conditions for Safe Storage & Unsuitable Materials:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits:** TWA 165 ppm (1200 mg/m<sup>3</sup>)

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

**Individual Protection Measures**

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Handle with gloves.

**Eye protection:** Safety glasses with side-shields conforming to EN166

**Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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



## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |  |
|--|--|
| <b>Form, Color and Odor :</b> liquid, Colorless , Characteristic       | <b>Evaporation rate :</b> <0.100 (n-Bu Acetate = 1)              |
| <b>Melting Point :</b> -18 °C  | <b>Specific gravity :</b> 0.968-0.979 g/cm <sup>3</sup> at 20 °C |
| <b>pH :</b> N/A  | <b>Solubility in water :</b> Soluble                             |
| <b>Boiling point :</b> >250 °C   | <b>Viscosity:</b> 77 cSt. at 20 °C                               |
| <b>Vapour pressure :</b> <0.001 kPa at 20 °C                           | <b>Vapour density (air=1) :</b> >10.00                           |
| <b>Lower explosive limits :</b> N/A                                    | <b>Upper explosive limits :</b> N/A                              |
| <b>Auto-ignition temperature :</b> >260°C                              | <b>Flash point:</b> >200 °C                                      |
| <b>Odour threshold:</b> N/A  | <b>Flammability (solid, gas):</b> N/A                            |
| <b>Decomposition temperature:</b> N/A                                  | <b>Solubility in other solvents:</b> N/A                         |
| <b>n-octanol/water partition coefficient (log P<sub>ow</sub>):</b> N/A |  |

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Chemical Stability:</b>                 | No data available                                |
| <b>Reactions:</b>                          | No data available                                |
| <b>Possibility of Hazardous Reactions:</b> | No data available                                |
| <b>Conditions to avoid:</b>                | No data available                                |
| <b>Materials to avoid:</b>                 | No data available                                |
| <b>Hazardous decomposition products:</b>   | Other decomposition products - no data available |

## 11. TOXICOLOGICAL INFORMATION

|   |   |
|---|---|
| <b>Acute toxicity:</b>                    | LD50 (oral, rat): 2200 mg/kg  |
| <b>Sensitization:</b>                     | Inhalation May be harmful if inhaled. May cause respiratory tract irritation.<br>Ingestion Harmful if swallowed.<br>Skin May be harmful if absorbed through skin. May cause skin irritation.<br>Eyes Causes eye irritation. |
| <b>Chronic toxicity:</b>                  | No data available   |
| <b>Further toxicological information:</b> | No data available   |



## 12. ECOLOGICAL INFORMATION

### Toxicity

Toxicity to fish: No data available

Toxicity to daphnia and other aquatic invertebrates: No data available

Toxicity to algae No data available

Toxicity to bacteria No data available

**Biodegradability Remarks:** No data available

**Bioaccumulative Potential:** No data available

**Mobility:** No data available

**Affected in any other way:** Very toxic to aquatic life.

## 13. DISPOSAL CONSIDERATIONS

**Material Disposal:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Container Disposal:** Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### ADR/ADNR

UN-No: 3082 Class: 9 Packing group : III

Proper shipping group: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diisononyl phthalate)

### IMGD

UN-No: 3082 Class: 9 Packing group : III

Marine pollutant : YES

Proper shipping group: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diisononyl phthalate)

### IATA

UN-No: 3082 Class: 9 Packing group: III

Proper shipping group: Environmentally hazardous substance, liquid, n.o.s. (Diisononyl phthalate)



## 15. REGULATORY INFORMATION

### GHS-Labeling

#### Hazard statement(s):

No data available

#### Precautionary statement(s):

No data available

#### R - phrase(s):

No data available

#### S - phrase(s):

No data available

## 16. Other Information

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