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| MSDS | Product Name: <b>Erucamide</b><br>Edition:2.3 2021.1.1 |
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### 1. Product and company logo

Product brand: Dongli New Material

Product name: Erucamide

Manufacturer: Nantong Dongli New Material Technology Co., Ltd.

Haimen Nantong City, Jiangsu Province, China, 226100

Effective date: 2021.1.1

Emergency number: +86- 15996639400

Customer Service: +86- 15996639400

### 2. Product Ingredients/Composition Information

CAS Number: 112 - 84 - 5

Concentration:  $\geq 99.5\%$

Nitrile content:  $\leq 0.5\%$

Molecular formula:  $C_{22}H_{43}NO$

### 3. Hazard overview

Erucamide has no specific hazard according to the EEC's Hazardous Substances Directive and Hazardous Preparation Guidance Criteria.

Follow general chemical precautions for transportation, storage, etc.

Usually the hazard is organic dust, which should be avoided during material transfer and away from heat sources (light and fire).

## **Possible health effects**

Ingestion: low acute toxicity

Skin absorption: low acute toxicity

Inhalation: May cause respiratory irritation

Skin Contact: Slightly irritating

Eye Contact: Slightly irritating

Possible Environmental Effects: No established acute toxicity to aquatic organisms

## **4. First aid measures**

Symptoms and Effects: No typical symptoms and definite effects.

General measures: If problems or symptoms occur, seek medical attention.

Skin contact: Wash with soap and water, if contact with molten material, soak or rinse the scalded skin with water to cool.

Eye Contact: Rinse contacted eyes with plenty of water, opening eyelids to ensure thorough cleaning. Seek medical attention if redness and inflammation develops.

Inhalation: Remove to fresh air.

Ingestion: Rinse mouth with water, seek medical attention immediately if swallowed.

Hygiene Guidance: This product is harmless to human body.

## **5. Fire-fighting measures**

Extinguishing media: carbon dioxide, dry powder, foam, water mist.

Unsuitable Extinguishing Media: Water should not be sprayed directly into large quantities of burning molten liquid.

Special Exposure Hazards: Do not come into contact with strong oxidizing agents.

HAZARDOUS COMBUSTION PRODUCTS OR DECOMPOSITION PRODUCTS: On combustion, irritating fumes are produced.

Special protective equipment: No special protective equipment.

## **6. Accidental release measures**

Personal Precautions: Follow general chemical precautions.

Environmental maintenance: no special precautions.

Cleaning method: Collect the molten material after it solidifies, and collect it as thoroughly as possible in a clean container (recommended) for recycling.

Other matters: Personal protection see section 8.

## **7. Transportation and Storage**

Shipping: Follow general chemical shipping precautions.

Fire and explosion-proof: it will burn in case of open fire, and the dust concentration in the space is too high, and there is a danger of explosion.

Storage Requirements: No special requirements.

Other information: Generally stable.

## **8. Exposure Controls/Personal Protection**

Handling Controls: Follow general chemical handling precautions.

Exposure Limits: No exposure limit indicators have been established.

Personal protection: /

Respiratory System: Use dust mask.

Eyes: Avoid contact of material with eyes.

Body and Skin: No special requirements.

Hand Protection: No special requirements.

## **9. Physical and chemical properties**

Appearance: white granules or powder (room temperature)

Odor: No peculiar smell

Boiling point/range: 210-270 (atmospheric pressure)

Melting point/range: 78 - 81°C

Flash point: 320°C (open cup)

Specific gravity: about 827Kg/m<sup>3</sup> (110°C)

Loose specific gravity: 0.5-0.7g/cm<sup>3</sup>

Solubility in Water: Usually insoluble

Solubility in other solvents: soluble in toluene, ethanol, hydrocarbons and other solvents

Volatility: negligible

Vapor Pressure: Negligible

PH value: not applicable

## **10. Stability and reactivity**

Stability: Generally stable.

Conditions to avoid: Avoid dust accumulation in space, keep away from heat sources, and avoid contact with fire sources.

Incompatible substances: unknown.

Hazardous Decomposition Products: Irritating fumes are released on combustion.

## **11. TOXICOLOGICAL INFORMATION**

There are no laboratory toxicity data for this product.

## **12. Ecological information**

There are no ecological test data for the preparation of this product. The product is expected to be biodegradable from the product structure.

## **13. Waste Disposal**

Product: Dispose of in accordance with local regulations. (mostly controlled incineration)

Contaminated packaging: Dispose of in accordance with local regulations.

## **14. Shipping Information**

It is not within the scope of the Regulations on the Administration of Transport of Dangerous Goods.

## **15. Regulatory Information**

The Regulations on the Safety Management of Chemical Hazardous Substances (issued by the State Council on March 15, 2002) have made corresponding regulations on the safe production, use, storage, transportation, loading and unloading of chemical hazardous substances.

Erucamide is not within the scope of dangerous goods specified in "Classification and Marking of Commonly Used Hazardous Chemicals" (GB13690-92).

## **16. Other information**

Illustrate:

1. The data provided in this manual is based on all our knowledge, information and existing publications.
2. The data provided is only a guide for the safe operation, use, disposal, storage, transport and disposal of the products referred to in this manual, not a warranty or quality statement. It is still the user's own responsibility to confirm that this manual is applicable and comprehensive in a particular use.
3. This data only relates to the substances specified in the instructions, and is not valid when used in mixing with other substances or in other processes, unless otherwise specified in the text.

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Nantong Dongli New Material Technology Co., Ltd.

