

## Material Safety Data Sheet Musk xylol

### SECTION 1.1 – PRODUCT IDENTIFICATION

**Product Name** : Musk xylol  
**Molecular Formula** :  $C_{12}H_{15}N_3O_6$   
**Molecular Weight** : 297.26 g/mole  
**CAS No.** : 81-15-2

### SECTION: 1.2 COMPANY IDENTIFICATION

**Company Name:** Indenta Chemicals (India) Pvt. Ltd.

**Address:** 117, The Summit Business Bay, Opp Cinemax, Off. Sir M.V. Road, Near WEH Metro Station, Andheri (E), Mumbai 400 093, India

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### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Musk xylol	81-15-2	100

**Toxicological Data on Ingredients:** No Data Available

### SECTION 3: HAZARD IDENTIFICATION

#### 3.1 Classification of the substance or mixture

**Classification according to the Regulation (EC) No 1272/2008.**

Explosives, Division 1.1; H201

Carcinogenicity, Hazard Category 2; H351

Hazardous to the aquatic environment — acute hazard, category acute 1; H400

Hazardous to the aquatic environment — long-term hazard, category chronic 1; H410.

#### 3.2 Label elements

Nº Indice: 609-068-00-1

5-Tert-butyl-2,4,6-trinitro-m-xylene



**Signal word:** Danger

#### **Hazard Statements:**

H201: Explosive; mass explosion hazard.

H351: Suspected of causing cancer.

H410: Very toxic to aquatic life with long lasting effects.

### Indenta Chemicals (India) Pvt. Ltd.

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Unit 2: Building No. 73, Gala No. 7, Indian Corporation Compound, Village Gundavli, Mankoli Naka, Bhiwandi, Thane - 421302



### Precautionary Statements:

- P201: Obtain special instructions before use.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P234: Keep only in original container.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P372: Explosion risk in case of fire.  
P501: Dispose of contents/container to an approved waste disposal plant..

### 3.3 Other hazards

The product contains substances included in the Substances of Very High Concern list (> 0,1 % w/w).

## SECTION 4: FIRST AID MEASURES

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### 4.1 Description of first-aid measures

- Consumption:** If swallowed, rinse mouth with water.  
Seek medical advice immediately and show this container or label.  
Do NOT induce vomiting.
- Eye contact:** First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
- Inhalation:** Remove person to fresh air and keep at rest.
- Skin contact:** Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.

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

Not described.

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

Not available.

## SECTION 5: FIRE AND EXPLOSION DATA

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### 5.1 Extinguishing media

Carbon dioxide, dry chemical powder or appropriate foam.

For safety reasons do not use full water jet.

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

Not applicable.

### 5.3 Advice for firefighters

In case of fire in the surrounding area, follow the recommendations below:

- Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.
- Prevent run-off from fire fighting to enter drains or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear appropriate gloves to prevent skin exposure.

Avoid dust formation and prevent scattering by moistening with water.

Maintain adequate ventilation in the working area after spilling.

### 6.2 Environmental precautions

Avoid contaminating the environment via the sewers or water sources.

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

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

Ventilate area and wash spill site after material pickup is complete.

Dispose of in accordance with current laws and regulations.

**6.4 Reference to other sections**

See also sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

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**7.1 Precautions for safe handling**

Keep away from food, drink and animal feedingstuffs. Do not smoke.

Avoid contact with skin and eyes.

Handle in accordance with good industrial hygiene and safety practice.

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

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.

**SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

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**8.1 Control parameters**

Declaration of substances is not required.

**8.2 Exposure controls**

Personal protection equipment: Use personal protection equipment according to Directive 89/686/EEC.

Engineering Controls-Ventilation: The areas where the product is handled and stored should be adequately ventilated.

Respiratory Protection: Use personal breathing apparatus whenever deemed necessary.

Skin Protection: Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**9.1 Information on basic physical and chemical properties**

<b>Appearance:</b>	SOLID
<b>Colour:</b>	YELLOW
<b>Odour:</b>	MUSKY, FATTY
<b>Melting point:</b>	112.0000 - 116.0000 °C
<b>Flash point:</b>	93 °C
<b>Additional information:</b>	Not applicable.

**SECTION 10: STABILITY AND REACTIVITY**

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**10.1 Reactivity**

Not available.

**10.2 Chemical stability**

Stable under normal operating conditions.

**10.3 Possibility of hazardous reactions**

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.

**10.4 Conditions to avoid**

Heat, flames and other sources of ignition.

**No special precautions other than good housekeeping of chemicals.**

**10.5 Incompatible materials**

Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.

## 10.6 Hazardous decomposition products

Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

## SECTION 11: TOXICOLOGICAL INFORMATION

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### 11.1 Information on toxicological effects

#### Acute toxicity:

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### Skin corrosion/irritation:

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### Serious eye damage/irritation:

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### Respiratory or skin sensitisation:

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### Germ cell mutagenicity:

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### Carcinogenicity:

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### Reproductive toxicity:

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### STOT-single exposure:

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### STOT-repeated exposure:

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### Aspiration toxicity:

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

## SECTION 12: ECOLOGICAL INFORMATION

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### 12.1 Acute Toxicity

Not determined

### 12.2 Persistence and degradability

Not available.

### 12.3 Bioconcentration Factor

Not determined

### 12.4 Mobility in soil

Not available.

### 12.5 Results of PBT and vPvB assessment

Not determined

### 12.6 Other adverse effects

Do not allow the material to enter streams, sewers or other waterways.

## SECTION 13: DISPOSAL CONSIDERATION

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### 13.1 Waste treatment methods

Container disposal: Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site.

Disposal conditions: Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

**SECTION 14: TRANSPORT INFORMATION****International Carriage of Dangerous Goods by Road (ADR)**

UN No.: UN2956  
 Proper Shipping Name: 5-tert-BUTYL-2,4,6-TRINITRO-m-XYLENE (MUSK XYLENE)  
 Packing Group: III  
 Class: 4.1  
 Tunnel restriction code: (D)



Label:

**Sea Transport (IMDG)**

UN No.: UN2956  
 Proper Shipping Name: 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)  
 Packing Group: III  
 Class: 4.1  
 Marine Pollutant: Yes



Label:

**Air Transport (ICAO/IATA)**

UN No.: UN2956  
 Proper Shipping Name: Musk xylene  
 Packing Group: III  
 Class: 4.1



Label:

**SECTION 15: OTHER REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not available

**15.2 Chemical Safety Assessment**

Not available

**SECTION 16: ADDITIONAL INFORMATION**

This information is provided for documentation purposes only.

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