

Material Safety Data Sheet Delta dodecalactone

SECTION 1.1 – PRODUCT IDENTIFICATION

Product Name	:	DELTA DODECALACTONE
Molecular Formula	:	$C_{12}H_{22}O_2$
Molecular Weight	:	198.30 g/mole
CAS No.	:	713-95-1

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 Telephone #:+91-22-26849600 Fax #:+91-22-26849060

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS#	% by Weight
DELTA DODECALACTONE	713-93-1	100

SECTION 3: HAZARD IDENTIFICATION

3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2), H315 Eye irritation (Category 2), H319 Specific target organ toxicity - single exposure (Category 3), H335

3.2 Label elements

Signal word

Labelling according Regulation (EC) No 1272/2008 Pictogram

Warning

Hazard statement(s) H315 H319 H335 Precautionary statement(s) P261 P305 + P351 + P338

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. IF IN EYES: Rinse cautiously with water for several minutes.

Indenta Chemicals (India) Pvt. Ltd.

Office: 117 The Summit Business Bay, Near WEH Metro Station, Opp. Cinemax Theatre, Off. Andheri Kurla Road, Andheri (E), Mumbai 400 093. Phone : +91-22-2684 9600 | Fax : +91-22-2684 9060 | Email: indenta@indenta.com | Website : www.indenta.com



Unit 1: Plot No. 1405, GIDC Sarigam, Dist. Valsad, Gujarat – 396155 Unit 2: Building No. 73, Gala No. 7, Indian Corporation Compound, Village Gundavli, Mankoli Naka, Bhiwandi, Thane - 421302 Remove contact lenses, if present and easy to do. Continue rinsing. none

Supplemental Hazard Statements

3.3 Other hazards - none

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIRE AND EXPLOSION DATA

5.1 Extinguishing media

Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains MSDS- Delta Dodecalactonone

6.3 Methods and materials for containment and cleaning up

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

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 3.2.

7.2 Conditions for safe storage, including any incompatibilities

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.

Handle and store under inert gas.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering 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

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. 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.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber Minimum layer thickness: 0,4 mm Break through time: 480 min Material tested:Camatril[®] (

Splash contact

Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 60 min Material tested:Dermatril® data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties Form: clear, liquid a) Appearance Colour: colourless b) Odour No data available No data available c) Odour Threshold d) pH No data available e) Melting Melting point/range: -12 °C - lit. point/freezing point f) Initial boiling point 140 - 141 °C at 1 hPa - lit. and boiling range g) Flash point 113 °C - closed cup h) Evaporation rate No data available i) Flammability (solid, gas) No data available j) Upper/lower flammability No data available

No data available

No data available

0,942 g/cm3 at 25 °C

or explosive limits

k) Vapour pressure

I) Vapour density

m) Relative density

MSDS- Delta Dodecalactonone

n) Water solubility	No data available
o) Partition coefficient:	
n-octanol/water	No data available
p) Auto-ignition	
temperature	No data available
q) Decomposition	
temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available
9.2 Other safety information	
No data available	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity No data available 10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials Strong oxidizing agents, Acid chlorides, Acid anhydrides

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - No data available In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity LD50 Oral - Rat - > 5.000 mg/kg LD50 Dermal - Rabbit - > 5.000 mg/kg

Skin corrosion/irritation Skin - Rabbit

Result: Skin irritation - 24 h

Serious eye damage/eye irritation No data available

Respiratory or skin sensitisation

MSDS- Delta Dodecalactonone

No data available

Germ cell mutagenicity No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is

identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity No data available

Specific target organ toxicity - single exposure Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity No data available

Persistence and degradability No data available

Bioaccumulative potential No data available

Mobility in soil No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Product Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

UN number

ADR/RID: -

IMDG: -

IATA: -

UN proper shipping name

MSDS- Delta Dodecalactonone

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods		
IATA: Not dangerous goods		
Transport hazard class(es) ADR/RID: -	IMDG: -	IATA: -
Packaging group ADR/RID: -	IMDG: -	IATA: -
Environmental hazards ADR/RID: no 14.6 Special precautions for user No data available	IMDG Marine pollutant: no	IATA: no

SECTION 15: OTHER REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the

substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

- : Neither banned nor restricted
- (CWC) Schedules of Toxic Chemicals and

Precursors

Restrictions on the marketing and use of certain dangerous substances and preparations Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

- : Neither banned nor restricted
- : Neither banned nor restricted

: This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).



15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

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