



SAFETY DATA SHEET

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Catalogue No : A 34310

Product Name : DL - Aspartic acid

Manufacture / Supplier Identification Company : **Nice Chemicals (P) Ltd.,**
PB No: 2217, Manimala Road, Edappally,
Kochi - 682 024, Kerala, India.

Contact for Information : **Tel:** 91-484-2800212, 2802755, 2802536, 2801583
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2 COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : (\pm)-2-Aminosuccinic acid

CAS - No : 617 - 45 - 8

Molar Mass :

Molecular Weight : 133.10 g/mol

Molecular Formula : C₄H₇NO₄

EC - INDEX No :

EC - No :

3 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.

Label Elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

Other Hazards : none

4 FIRST AID MEASURES

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

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After Inhalation	: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
After skin contact	: Wash off with soap and plenty of water. Consult a physician.
After eye contact	: Flush eyes with water as a precaution.
After swallowing	: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
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
Indication of any immediate medical attention and special treatment needed	: no data available

5 FIRE - FIGHTING MEASURES

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	: Carbon oxides, nitrogen oxides (NOx)
Advice for firefighters	: Wear self contained breathing apparatus for fire fighting if necessary
Further Information	: No data available

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.
Environmental-protection	: Do not let product enter drains
Methods and materials for containment and cleaning up	: Sweep up and shovel. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Precautions for safe handling	: Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.
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Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end users : A part from the uses mentioned in section 1.2 no other specific uses are stipulated

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter : Components with workplace control parameters

Exposure Controls

Appropriate engineering controls : General industrial hygiene practice.

Personal protective equipment

Eye/face protection : 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 EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection : Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure : No data available

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance **Form** : Solid
Colour : No data available

Odour : No data available

Odour Threshold : No data available

pH : No data available

Melting Point/Freezing point : Melting point/range: > 300 °C - lit.

Initial Boiling point and boiling range : No data available

Flash Point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits : No data available

Vapour Pressure : No data available

Vapour Density : No data available

Relative density : No data available

Water solubility : No data available

Partition coefficient: noctanol/water : No data available

Autoignition temperature : No data available

Viscosity : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Other Safety information : No data available

10 STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : Stable under recommended storage conditions.

Conditions to be avoided : No data available

Substance to be avoided : No data available

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Hazardous decomposition products	: Other decomposition products - no data available
Possibility of hazardous reactions	: No data available
Incompatible materials	: Strong oxidizing agents

11 TOXICOLOGICAL INFORMATION

Acute Toxicity	: No data available
Further toxicological Information	
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.
Eye Irritation test (rabbit)	: No data available
Respiratory or skin Sensitization	: No data available
Germ cell mutagenicity	: No data available
After Inhalation	: No data available
After Skin contact	: No data available
After swallowing	: No data available
After swallowing of large amounts	: No data available
Further data	: No data available
Reproductive toxicity	: No data available
Specific target organ toxicity-single exposure	: No data available
Specific target organ toxicity-repeated exposure	: No data available
Signs and symptoms of Exposure	: No data available
Additional Information	: RTECS: C19097800 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Toxicity	: No data available
Persistence and degradability	: No data available
Bioaccumulative potential	: No data available

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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

13 DISPOSAL METHOD

Waste treatment methods

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

Contaminated packaging : Dispose of as unused product.

14 TRANSPORT INFORMATION

UN number : ADR/RID: - IMDG: -
IATA: -

UN Proper shipping name : 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 group : ADR/RID: - no IMDGMarine
pollutant: no IATA: -no

Special precaution for user : No data available

15 REGULATORY INFORMATION

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

Safety, health and environmental regulations/legislation specific for the substance or mixture : No data available



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Chemical safety assessment : For this product a chemical safety assessment was not carried out

16 OTHER INFORMATION

The information contained here in is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.