

NICE SAFETY DATA SHEET

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

Catalogue No : H 10129

Product Name : Hydrobromic acid

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

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2 COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms :

CAS - No : 10035-10-6

Molar Mass :

Molecular weight : 80.91 g/mol

Molecular Formula : HBr

EC - INDEX No :

EC - No : 233-113-0

3 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 : Skin corrosion (Category 1B), H314
Specific target organ toxicity - single exposure
(Category 3), Respiratory system, H335
For the full text of the H-Statements mentioned
in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or
1999/45/EC : C Corrosive R34
Xi Irritant R37


For the full text of the R-phrases mentioned in
this Section, see Section 16

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Label Elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram	:	
Signal word	:	Danger
Hazard statement (s)	:	
H314	:	Causes severe skin burns and eye damage
H335	:	May cause respiratory irritation
Precautionary statement(s)	:	
P261	:	Avoid breathing vapours
P280	:	Wear protective gloves/ protective clothing/ eye protection/ face protection
P305 + P351 + P338	:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	:	Immediately call a POISON CENTER or doctor/ physician
Supplemental Hazard Statements	:	none
According to European Directive 67/548/EEC as amended.		
Hazard symbol(s)	:	
R-phrases(s)	:	
R34	:	Causes burns
R37	:	Irritating to respiratory system
S-phrases(s)	:	
S 7/9	:	Keep container tightly closed and in a well-ventilated place
S26	:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S45	:	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
Other Hazards	:	none

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4 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	:	Take off contaminated clothing and shoes immediately. 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	:	Do NOT induce vomiting. 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		
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	:	Hydrogen bromide gas
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	:	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental-protection	:	Do not let product enter drains.
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.
Reference to other sections	:	For disposal see section 13.

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7 **HANDLING AND STORAGE**

Precautions for safe handling	:	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
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.
Specific end users	:	Apart 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	:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
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Personal protective equipment

Eye/face protection	:	Tightly fitting safety goggles. Faceshield (8-inch minimum). 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.

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Body Protection	:	Complete suit protecting against chemicals, 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 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).

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance		Form : Liquid Colour : light yellow, light brown
Odour	:	No data available
Odour Threshold	:	No data available
pH	:	No data available
Melting Point/Freezing point	:	No data available
Initial Boiling point and boiling range	:	100 °C at 1.013,25 hPa
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	:	10,64 hPa at 25 °C
Vapour Density	:	2,8 - (Air = 1.0)
Relative density	:	1,49 g/cm ³ at 25 °C
Water solubility	:	No data available

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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
Decomposition temperature	:	No data available
Other Safety information	:	Relative vapour density 2,8 - (Air = 1.0)

10 STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	Stable under recommended storage conditions.
Conditions to be avoid	:	No data available
hazardous decomposition products	:	Other decomposition products - no data
Possibility of hazardous reactions	:	No data available
incompatible materials	:	Strong bases, Strong oxidizing agents,

11 TOXICOLOGICAL INFORMATION

Acute Toxicity	:	LC50 Inhalation - rat - 1 h - 2858 ppm
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	No data available
Respiratory or skin sensitization	:	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	:	No data available

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Specific target organ toxicity - repeated exposure	:	No data available
Aspiration hazard	:	No data available
Potential health effects	:	
Additional Information	:	RTECS: MW3850000

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

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: -1788 IMDG: - 1788 IATA: - 1788
UN Proper shipping name	:	ADR/RID: HYDROBROMIC ACID IMDG: HYDROBROMIC ACID IATA: Hydrobromic acid
Transport hazard class(es)	:	ADR/RID: - 8 IMDG: - 8 IATA: - 8
Packaging group	:	ADR/RID: - II IMDG: - II IATA: - II

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Environmental group	:	ADR/RID: -no IMDGMarine pollutant: no IATA: -no
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15 REGULATORY INFORMATION

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

Safety, health and environmental regulations/legislation specific for the substance or mixture	:	No data available
Chemical safety assessment	:	For this product a chemical safety assessment was not carried out

16 OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H314	:	Causes severe skin burns and eye damage
H335	:	May cause respiratory irritation
Skin Corr.	:	Skin corrosion
STOT SE	:	Specific target organ toxicity - single exposure

Full text of R-phrases referred to under sections 2 and 3

C	:	Corrosive
R34	:	Causes burns
R37	:	Irritating to respiratory system

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.