

**N-(1-Naphthyl)-Ethylendiamine dihydrochloride**  
**33461H-5G**

Version 1.0

Issuing date 10/25/2017

Revision Date 10/25/2017

Print Date 08/06/2019

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name : N-(1-Naphthyl)-Ethylendiamine dihydrochloride

Number : 000000013011

Recommended use of the chemical and restrictions on use : Laboratory chemicals

Manufacturer or supplier's details : Honeywell Specialty Chemicals Seelze GmbH  
Wunstorfer Straße 40  
Seelze, 30926

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**  
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**  
: **In Japan: +(81)-345209637**  
: (24 hours/day, 7 days/week)

**2. HAZARDS IDENTIFICATION****Classification of the substance or mixture**

Classification of the substance or mixture : Skin irritation, Category 2  
Eye irritation, Category 2A  
Specific target organ toxicity - single exposure, Category 3, Respiratory system

**GHS Label elements, including precautionary statements**

Symbol(s) :



Signal word : Warning

Hazard statements : Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.

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## Precautionary statements

: **Prevention:**

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Wash skin thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

IF ON SKIN: Wash with plenty of soap and water.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a POISON CENTER/doctor if you feel unwell.  
If skin irritation occurs: Get medical advice/ attention.  
If eye irritation persists: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.

**Storage:**

Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**Formula : C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>.2ClH

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
N-(1-Naphthyl)ethylene diamine dihydrochloride	1465-25-4	100.00 %
N-(1-Naphthyl)ethylene diamine dihydrochloride		

Note: none

**4. FIRST AID MEASURES**

## General advice

: First aider needs to protect himself.  
Move out of dangerous area.  
Take off all contaminated clothing immediately.  
Consult a physician.

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- |              |  |
|--------------|--|
| Inhalation   | : Remove to fresh air.<br>If not breathing, give artificial respiration.<br>Use oxygen as required, provided a qualified operator is present.<br>Call a physician.   |
| Skin contact | : Wash off immediately with plenty of water for at least 15 minutes.<br>Take off contaminated clothing and shoes immediately.<br>Wash contaminated clothing before re-use.<br>Call a physician if irritation develops or persists. |
| Eye contact  | : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.<br>Protect unharmed eye.<br>Call a physician.   |
| Ingestion    | : Do not induce vomiting without medical advice.<br>Never give anything by mouth to an unconscious person.<br>If victim is fully conscious, give a cupful of water.<br>Call a physician.   |

**5. FIREFIGHTING MEASURES**

- |   |  |
|---|--|
| Suitable extinguishing media                  | : Water spray<br>Foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry powder                                       |
| Specific hazards during firefighting          | : Fire may cause evolution of:<br>Hydrogen chloride gas<br>nitrogen oxides (NO <sub>x</sub> )<br>Carbon oxides |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus and protective suit.   |
| Further information                           | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.      |

**6. ACCIDENTAL RELEASE MEASURES**

- |   |  |
|---|--|
| Personal precautions, protective equipment and emergency procedures | : Evacuate personnel to safe areas.<br>Wear personal protective equipment. Unprotected persons must be kept away.<br>Ensure adequate ventilation.<br>Avoid dust formation. |
|---|--|

**N-(1-Naphthyl)-Ethylenediamine dihydrochloride**  
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- Avoid breathing dust.  
Avoid contact with skin, eyes and clothing.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.  
Discharge into the environment must be avoided.  
Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Ventilate the area.  
Pick up and arrange disposal without creating dust.  
Sweep up and shovel.  
Keep in suitable, closed containers for disposal.  
Dispose of in accordance with local regulations.

**7. HANDLING AND STORAGE****Handling**

- Precautions for safe handling : Wear personal protective equipment.  
Use only in well-ventilated areas.  
Avoid dust formation.  
Avoid breathing dust.  
Avoid contact with skin, eyes and clothing.

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.

**Storage**

- Conditions for safe storage, including any incompatibilities : Store in original container.  
Keep containers tightly closed in a dry, cool and well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Appropriate engineering controls**

Ensure adequate ventilation.

**Individual protection measures, such as personal protective equipment**

- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection : Impervious gloves

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	Gloves must be inspected prior to use. Replace when worn.
Eye protection	: Safety glasses with side-shields conforming to EN166
Skin and body protection	: Protective suit
Hygiene measures	: When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Keep working clothes separately. Remove and wash contaminated clothing before re-use.
Protective measures	: Ensure that eyewash stations and safety showers are close to the workstation location. Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment. Avoid breathing dust. Avoid contact with skin, eyes and clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	: solid
Colour	: colourless
Odour	: odourless
pH	: Note: no data available
Melting point/range	: 194 - 198 °C Note: Decomposition
Boiling point/boiling range	: Note: no data available
Flash point	: Note: Not applicable
Evaporation rate	: Note: no data available
Lower explosion limit	: Note: no data available
Upper explosion limit	: Note: no data available

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Vapour pressure : Note: no data available

Vapour density : Note: no data available

Density : Note: no data available

Water solubility : Note: slightly soluble

Partition coefficient: n-octanol/water : Note: no data available

Ignition temperature : Note: Not applicable

Decomposition temperature : Note: no data available

Viscosity, dynamic : Note: no data available

Viscosity, kinematic : Note: no data available

Oxidizing properties : Note: no data available

Molecular weight : 259.17 g/mol

Bulk density : ca. 300 kg/m<sup>3</sup>

**10. STABILITY AND REACTIVITY**

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : None known.

Conditions to avoid : Avoid dust formation.  
Heat, flames and sparks.

Incompatible materials to avoid : Acids  
Acid chlorides  
Acid anhydrides

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## Oxidizing agents

Hazardous decomposition  
products: Fire may cause evolution of:  
Hydrogen chloride gas  
nitrogen oxides (NOx)  
Carbon oxides**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity : Note: no data available

Acute inhalation toxicity : Note: no data available

Acute dermal toxicity : Note: no data available

Skin irritation : Result: Irritating to skin.

Eye irritation : Result: Irritating to eyes.

Sensitisation : Note: no data available

Further information : Note: May cause irritation of respiratory tract.

**12. ECOLOGICAL INFORMATION****Toxicity**

Toxicity to fish : Note: no data available

Toxicity to daphnia and other  
aquatic invertebrates : Note: no data available

Toxicity to algae : Note: no data available

**Persistence and degradability**

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Biodegradability : Note: no data available

**Bioaccumulative potential**

Bioaccumulation : Note: no data available

Mobility in soil  
Mobility

: Note: no data available

**Other adverse effects**

Additional ecological information : We have no quantitative data concerning the ecological effects of this product.

**13. DISPOSAL CONSIDERATIONS**

Disposal methods : In accordance with local and national regulations.

**14. TRANSPORT INFORMATION****ADR**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

**RID**

Not dangerous goods

**15. REGULATORY INFORMATION****National regulatory information**



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Fire Service Law : Not relevant

Poisonous and Deleterious  
Substances Control Law : Not relevant**Other international regulations****Notification status**US. Toxic Substances  
Control Act : On TSCA InventoryAustralia. Industrial Chemical  
(Notification and  
Assessment) Act : On the inventory, or in compliance with the inventoryCanada. Canadian  
Environmental Protection Act  
(CEPA). Domestic  
Substances List (DSL) : All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List : Not in compliance with the inventory

Korea. Existing Chemicals  
Inventory (KECI) : Not in compliance with the inventoryPhilippines. The Toxic  
Substances and Hazardous  
and Nuclear Waste Control  
Act : On the inventory, or in compliance with the inventoryChina. Inventory of Existing  
Chemical Substances : On the inventory, or in compliance with the inventoryNew Zealand. Inventory of  
Chemicals (NZIoC), as  
published by ERMA New  
Zealand : On the inventory, or in compliance with the inventory**16. OTHER INFORMATION**

	<b>HMIS III</b>	<b>NFPA</b>
Health hazard	: 2	2
Flammability	: 1	1
Physical Hazard	: 0	
Instability	:	0

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Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group