

Material Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product:	NiMH Rechargeable Battery
Manufacturer:	Conrad Electronic SE
Address:	Klaus-Conrad-Strasse 1, D-92240 Hirschau
Telephone:	+49 (0) 9604 / 40 - 8988
Date of issue:	11.04.2022

Item no.	Model	Nominal voltage	Nominal capacity
255000	EMMNIMH4/5AHBG	1.2 V	1800 mAh
255002	EMMNIMHSC2400HBG	1.2 V	2400 mAh
255003	EMMNIMHSC4000HBG	1.2 V	4000 mAh
255007	EMMNIMH1/3AAAHBG	1.2 V	160 mAh
255011	EMMNIMH2/3AAAHBG	1.2 V	400 mAh
255012	EMMNIMHAAA650HBG	1.2 V	650 mAh
255016	EMMNIMHAAA950HBG	1.2 V	950 mAh
255020	EMMNIMH2/3AAHBG	1.2 V	600 mAh
255022	EMMNIMHAA850HT	1.2 V	850 mAh
255023	EMMNIMHAA850HBG	1.2 V	850 mAh
255026	EMMNIMHAA1500HBG	1.2 V	1500 mAh
255029	EMMNIMHAA2500HBG	1.2 V	2500 mAh
255031	EMMNIMH1/2AHBG	1.2 V	950 mAh
255032	EMMNIMH2/3AHBG	1.2 V	1100 mAh
255037	EMMNIMH4/3AHBG	1.2 V	3700 mAh
255042	EMMNIMHC5000HBG	1.2 V	5000 mAh
255045	EMMNIMHD5000HBG	1.2 V	5000 mAh
255047	EMMNIMHD9000HBG	1.2 V	9000 mAh
255048	EMMNIMHF13000HBG	1.2 V	13000 mAh
255049	EMMNIMH8.4160	8.4 V	160 mAh
255051	EMMNIMH9.6200	9.6 V	200 mAh
255052	EMMNIMH3AAAHBG	3.6 V	800 mAh
255053	EMMNIMH4AAACLG	4.8 V	800 mAh

Material Safety Data Sheet

255054	EMMNIMH5AAACLG	6.0 V	800 mAh
255055	EMMNIMH3AA1500HBG	3.6 V	1500 mAh
255056	EMMNIMH4AA1500HBG	4.8 V	1500 mAh
255057	EMMNIMH5AA1500HBG	6.0 V	1500 mAh
255060	EMMNIMH1/3AAHBG	1.2 V	300 mAh
255061	EMMRTUAAAZ	1.2 V	800 mAh
255062	EMMRTU3AAAZ	3.6 V	800 mAh
255063	EMMRTU4AAAZ	4.8 V	800 mAh
255064	EMMRTU5AAAZ	6.0 V	800 mAh
255065	EMMRTUAAZ	1.2 V	2200 mAh
255066	EMMRTU3AAZ	3.6 V	2200 mAh
255069	EMMRTU4AAZ	4.8 V	2200 mAh
255070	EMMRTU5AAZ	6.0 V	2200 mAh
255071	EMMNIMHAA27004B	1.2 V	2700 mAh
808537	EMMNIMHSC3000HBG	1.2 V	3000 mAh
1650111	EMMNIMH8.4300	8.4 V	300 mAh
2491026	EMMNIMHAA8502PG	1.2 V	850 mAh

1.1 Product identifier

Trade name: Ni-MH Battery

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture: Household & Industrial power

Remarks:

This sample is likely to be classified as article with substances not intended to be released and is out of scope of a SDS as set out in Regulation (EC) No. 1907/2006. This SDS is generated for clients reference only.

Material Safety Data Sheet

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Muta. 2	H341	Suspected of causing genetic defects.
Carc. 1A	H350	May cause cancer.
Repr. 1B	H360FD	May damage fertility. May damage the unborn child.
STOT RE 1	H372	Causes damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.



GHS09 environment

Aquatic Acute 1	H400	Very toxic to aquatic life.
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects.



GHS07

Acute Tox. 4	H302	Harmful if swallowed.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of Regulation (EC) No.1272/2008.

Classification system:

The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS07



GHS08



GHS09

Material Safety Data Sheet

Signal word:

Danger

Hazard-determining components of labelling:

Nickel dihydroxide

Nickel

Cobalt

Potassium hydroxide

Hazard statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H360FD May damage fertility. May damage the unborn child.

H372 Causes damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P284 [In case of inadequate ventilation] wear respiratory 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.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Restricted to professional users.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Material Safety Data Sheet














3. Composition/information on ingredients

3.2 Mixtures

Description:

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to section 16

Composition:		
CAS: 7440-02-0 EINECS: 231-111-4 Index number: 028-002-00-7	Nickel  Carc. 2, H351; STOT RE 1, H372;  Skin Sens. 1, H317	35.50%
CAS: 12054-48-7 EINECS: 235-008-5 Index number: 028-008-00-X	Nickel dihydroxide  Resp. Sens. 1, H334; Muta. 2, H341; Carc. 1A, H350i; Repr. 1B, H360D; STOT RE 1, H372;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Skin Sens. 1, H317	28.50%
CAS: 7439-91-0 EINECS: 231-099-0	Lanthanum	12.50%
CAS: 7440-45-1 EINECS: 231-154-9	Cerium  Flam. Sol. 1, H228	11.00%
CAS: 7440-48-4 EINECS: 231-158-0 Index number: 027-001-00-9	Cobalt  Resp. Sens. 1, H334; Muta. 2, H341; Carc. 1B, H350; Repr. 1B, H360F;  Skin Sens. 1, H317; Aquatic Chronic 4, H413	7.60%
CAS: 7439-96-5 EINECS: 231-105-1	Manganese Substance with a Community workplace exposure limit	3.00%
CAS: 1310-58-3 EINECS: 215-181-3 Index number: 019-002-00-8	Potassium hydroxide  Skin Corr. 1A, H314;  Acute Tox. 4, H302	1.00%
CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6	Sodium hydroxide  Skin Corr. 1A, H314	0.50%
CAS: 1310-65-2 EINECS: 215-183-4	Lithium hydroxide  Skin Corr. 1A, H314; Eye Dam. 1, H318;  Acute Tox. 4, H302	0.30%
CAS: 7440-00-8 EINECS: 231-109-3	Neodymium	0.10%

Material Safety Data Sheet

4. First aid measures

4.1 Description of first aid measures

General description:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

5.3 Advice for firefighters

Protective equipment:

Mouth respiratory protective device.

Material Safety Data Sheet

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water source.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

For the general occupational hygienic measures refer to Section 8.

Information about fire - and explosion protection:

Keep respiratory protective device available.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Keep container tightly sealed.

7.3 Specific end use(s)

No further relevant information available.

Material Safety Data Sheet

8. Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

7440-02-0 Nickel (35.50%)	
WEL (Great Britain)	Long-term value: 0.5 mg/m ³ as Ni; Sk; Carc
AGW (Germany)	Long-term value: 0.006A; 0.030E* mg/m ³ 8(II);AGS, 24, Sh, Y, 10*, 31*
VLEP (France)	Long-term value: 1 mg/m ³ C2
12054-48-7 Nickel dihydroxide (28.50%)	
WEL (Great Britain)	Long-term value: 0.5 mg/m ³ as Ni; Sk; Carc
AGW (Germany)	Long-term value: 0.030E mg/m ³ 8(II);AGS, Sh, Y, 10, 24, 31
TRGS 910 (Germany)	Short-term value: 0.006 (A) mg/m ³ Long-term value: 0.006 (A) mg/m ³ 8, Konzentrationen beziehen sich auf Ni-Gehalt
VLEP (France)	Long-term value: 1 mg/m ³ C1A, M2, R1B
7440-48-4 Cobalt (7.60%)	
WEL (Great Britain) Long-term value: 0.1 mg/m ³ as Co; Carc, Sen MAK (Germany) einatembare Fraktion; vgl.Abschn.XIII	WEL (Great Britain) Long-term value: 0.1 mg/m ³ as Co; Carc, Sen MAK (Germany) einatembare Fraktion; vgl.Abschn.XIII
7439-96-5 Manganese (3.00%)	
IOELV (EU)	Long-term value: 0.2* 0.05** mg/m ³ as Mn; *inhalable, **respirable fraction
WEL (Great Britain)	Long-term value: 0.2* 0.05** mg/m ³ as Mn *inhalable fraction **respirable fraction
AGW (Germany)	Long-term value: 0.02A; 0.2E mg/m ³ 8(II);DFG, Y, 10, 20
VLEP (France)	Long-term value: 0.05* 0.20** mg/m ³ *fraction alvéolaire **inhalable; en manganèse
1310-58-3 potassium hydroxide (1.00%)	
WEL (Great Britain)	Short-term value: 2 mg/m ³
VLEP (France)	Short-term value: 2 mg/m ³
1310-73-2 sodium hydroxide (0.50%)	
WEL (Great Britain)	Short-term value: 2 mg/m ³
MAK (Germany)	vgl.Abschn.IIb
VLEP (France)	Long-term value: 2 mg/m ³
1310-65-2 Lithium hydroxide (0.30%)	
WEL (Great Britain)	Short-term value: 1 mg/m ³
MAK (Germany)	vgl. Abschn. IIb

Material Safety Data Sheet

Regulatory information

WEL (Great Britain): EH40/2020

AGW (Germany): TRGS 900

VLEP (France): ED 1487 12.2019

MAK (Germany): MAK- und BAT-Liste

IOELV (EU): (EU) 2019/1831

DNELs: Not available

PNECs: Not available

Ingredients with biological limit values:

7439-96-5 Manganese (3.00%)	
BGW (Germany)	20 µg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten, Expositionsende bzw. Schichtende Parameter: Mangan

Additional information:

The lists valid during the making were used as basis.

Material Safety Data Sheet

8.2 Exposure controls

Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.

Appropriate engineering controls:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

See Section 7 for information about design of technical facilities.

Personal protective equipment

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation

Material Safety Data Sheet

9. Chemical and Physical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Form:	Solid
	Colour:	Specific
	Odour:	Odourless
	Odour threshold:	Not available
pH-value:		Not available
Change in condition		
Melting point/Freezing point:		Not available
Initial boiling point and boiling range:		Not available
Flash point:		Not available
Flammability (solid, gas):		Not available
Auto-ignition temperature:		Not available
Decomposition temperature:		Not available
Self-igniting:		Not available
Explosion limits:		Lower: Not available Upper: Not available
Oxidizing properties:		Not available
Vapour pressure:		Not available
Density:		Not available
Relative density:		Not available
Vapour density:		Not available
Evaporation rate:		Not available
Solubility in / Miscibility with water:		Not available
Partition coefficient (n-octanol/water):		Not available.
Viscosity:	Dynamic:	Not available.
	Kinematic:	Not available

9.2 Other information

No further relevant information available.

Material Safety Data Sheet

10. Stability and Reactivity

10.1 Reactivity

Data not available

10.2 Chemical stability

Data not available

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

Material Safety Data Sheet

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Harmful if swallowed.

LD/LC50 values relevant for classification:

7440-48-4 Cobalt		
Oral	LD50	6,170 mg/kg (rat)
7439-96-5 Manganese		
Oral	LD50	9,000 mg/kg (rat)

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitization:

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Germ cell mutagenicity:

Suspected of causing genetic defects.

Carcinogenicity:

May cause cancer.

Reproductive toxicity:

May damage fertility. May damage the unborn child.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Causes damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Material Safety Data Sheet

12. Ecological information

12.1 Toxicity

Aquatic toxicity:

No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.

12.7 Additional ecological information

General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

13. Disposal considerations

13.1 Waste treatment methods

Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

Material Safety Data Sheet

14. Transport information

14.1 UN-Number

ADR/RID/ADN, IATA: Not applicable

IMDG: UN3496

14.2 UN proper shipping name

ADR/RID/ADN, IATA: Not applicable

IMDG: Batteries, nickel-metal hydride, MARINE POLLUTANT

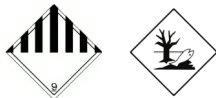
14.3 Transport hazard class(es)

ADR/RID/ADN, IATA:

Class: Not applicable

Label: -

IMDG:



Class: 9 Miscellaneous dangerous substances and articles.

Label: 9

14.4 Packing group

ADR/RID/ADN, IATA: Not applicable

IMDG: Not applicable

14.5 Environmental hazards

Marine pollutant: Symbol (fish and tree)

14.6 Special precautions for user

Special precautions for user: Not applicable

Hazard identification number (Kemler code): -

EMS Number: F-A,S-I

Stowage Category: A

Stowage Code: SW1 Protected from sources of heat.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

Material Safety Data Sheet

14.8 Transport/Additional information

IMDG:

Limited quantities (LQ): 0
 Excepted quantities (EQ) Code: E0
 Not permitted as Excepted Quantity

IATA:

Remarks:

Referring to Certification for Safe Transport of Chemical Goods (Report No. 202200106413692) issued by Shanghai Institute of Chemical Industry Testing Co., Ltd, package of Ni-MH Battery is tested and is not subject to IATA DGR according to special provision A199 of IATA Dangerous Goods Regulations (DGR) 63rd Edition.

15. Regulatory information

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

MAK(German Maximum Workplace Concentration)		
7440-02-0	Nickel	1
12054-48-7	Nickel dihydroxide	1
7440-48-4	Cobalt	2

Directive 2012/18/EU:

Named dangerous substances - ANNEX I: None of the ingredients is listed.

Seveso category: E1 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements: 100 t

Qualifying quantity (tonnes) for the application of upper-tier requirements: 200 t

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II:

None of the ingredients is listed.

National regulations:

Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

Water hazard class:

Water hazard class 3 (Self-assessment): extremely hazardous for water.

Material Safety Data Sheet

Other regulations, limitations and prohibitive regulations:

SVHC Candidate List of REACH Regulation Annex XIV Authorisation (17/1/2022)

None of the ingredients is listed

REACH Regulation Annex XVII Restriction (13/12/2021)

See Section 16 for information about restriction of use.

None of the ingredients is listed

REACH Regulation Annex XIV Authorisation List (23/11/2021)

None of the ingredients is listed

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16. Other information

Relevant hazard statements

- H228 Flammable solid.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H341 Suspected of causing genetic defects.
- H350 May cause cancer.
- H350i May cause cancer by inhalation. (Contd. on page 11)
- H351 Suspected of causing cancer.
- H360D May damage the unborn child.
- H360F May damage fertility.
- H372 Causes damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.

Material Safety Data Sheet

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

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No. 1272/2008:

Acute toxicity - oral

Skin corrosion/irritation

Serious eye damage/eye irritation

Respiratory sensitisation

Skin sensitisation

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity (repeated exposure)

Hazardous to the aquatic environment – short-term (acute) aquatic hazard

Hazardous to the aquatic environment – long-term (chronic) aquatic hazard

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reason, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Material Safety Data Sheet

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Sol. 1: Flammable solids – Category 1

Acute Tox. 4: Acute toxicity - oral – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 1A: Carcinogenicity – Category 1A

Carc. 1A: Carcinogenicity – Category 1Ai

Carc. 1B: Carcinogenicity – Category 1B

Carc. 2: Carcinogenicity – Category 2

Repr. 1B: Reproductive toxicity – Category 1B

Repr. 1B: Reproductive toxicity – Category 1B

Repr. 1B: Reproductive toxicity – Category 1B

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

* Data compared to the previous version altered.