

SDS Report

No. SHAEC1925182101

Date: Dec. 2, 2019

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HENAN TROILY NEW ENERGY TECHNOLOGY CO., LTD
Industrial cluster district of Yudong, Xinxiang City, Henan Province, P.R.China

SGS Ref. No. : TP19-009113-TJ
Sample Name : Ni-MH Battery
Style No. : Please see remark
End Uses : Industrial Use
Composition/Ingredient of sample (as per client submission) : See *Section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : Nov 13, 2019
Last Information Date : Nov 19, 2019
SDS Preparation Period : Nov 13 – Nov 27, 2019

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.

Remark:

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 client's reference only.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Cathy Cai

Cathy Cai
Approved Signatory



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Remark:

Ni-MH Cylindrical Rechargeable Battery:

Ni-MH AA50mAh、AA80mAh、AA100mAh、AA150mAh、AA200mAh、AA250mAh、AA300mAh、AA330mAh、AA350mAh、AA400mAh、AA450mAh、AA500mAh、AA550mAh、AA600mAh、AA650mAh、AA700mAh、AA750mAh、AA800mAh、AA850mAh、AA900mAh、AA950mAh、AA1000mAh、AA1100mAh、AA1200mAh、AA1300mAh、AA1400mAh、AA1500mAh、AA1600mAh、AA1700mAh、AA1800mAh、AA1900mAh、AA2000mAh、AA2100mAh、AA2200mAh、AA2300mAh、AA2400mAh、AA2500mAh、AA2600mAh.etc

Ni-MH AAA80mAh、AAA100mAh、AAA150mAh、AAA200mAh、AAA250mAh、AAA300mAh、AAA330mAh、AAA350mAh、AAA400mAh、AAA450mAh、AAA500mAh、AAA550mAh、AAA600mAh、AAA650mAh、AAA700mAh、AAA750mAh、AAA800mAh、AAA900mAh、AAA1000.etc

Ni-MH 1/3AAA50mAh、1/3AAA60mAh、1/3AAA70mAh、1/3AAA80mAh、1/3AAA85mAh、1/3AAA90mAh、1/3AAA100mAh、1/3AAA110mAh、1/3AAA120mAh、1/3AAA150mAh、1/3AAA180mAh etc

Ni-MH 2/3AAA80mAh、2/3AAA100mAh、2/3AAA130mAh、2/3AAA120mAh、2/3AAA150mAh、2/3AAA180mAh、2/3AAA200mAh、2/3AAA250mAh、2/3AAA300mAh、2/3AAA350mAh、2/3AAA400mAh.etc

Ni-MH 2/3AA80mAh、2/3AA100mAh、2/3AA120mAh、2/3AA150mAh、2/3AA180mAh、2/3AA200mAh、2/3AA250mAh、2/3AA300mAh、2/3AA350mAh、2/3AA400mAh、2/3AA450mAh、2/3AA500mAh、2/3AA150mAh、2/3AA600mAh、2/3AA700mAh、2/3AA800mAh etc

Ni-MH 1/3AA50mAh、1/3AA60mAh、1/3AA80mAh、1/3AA100mAh、1/3AA120mAh、1/3AA150mAh、1/3AA180mAh、1/3AA200mAh、1/3AA250mAh、1/3AA300mAh、1/3AA350mAh etc

(1.2V 2.4V 3.6V 4.8V 6.0V 7.2V 8.4V 9.6V 10.8V 12V) etc

Ni-MH Button Rechargeable Battery:

Ni-MH 20mAh /30mAh /40mAh /50mAh /60mAh /70mAh /80mAh /100mAh /110mAh /120mAh /160mAh /250mAh /300mAh /330mAh /350mAh /400mAh /500mAh /600mAh /650mAh /700mAh /800mAh /900mAh /1000mAh.etc

(1.2V 2.4V 3.6V 4.8V 6.0V 7.2V 8.4V 9.6V 10.8V 12V) etc



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Safety data sheet

Regulation (EC) No.1907/2006 and 1272/2008

Printing date 29.11.2019

Version number 1

Revision: 26.11.2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **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:** Industrial Use
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 HENAN TROILY NEW ENERGY TECHNOLOGY CO., LTD
 Industrial cluster district of Yudong, Xinxiang City, Henan Province, P.R.China
 Tel:0373-7722669
 E-mail:2557852409@qq.com
- **Only Representative/ other EU contact point:** Not available
- **Further information obtainable from:** HENAN TROILY NEW ENERGY TECHNOLOGY CO., LTD
- **1.4 Emergency telephone number:**
 Yang li
 Tel:18437325083

- GERMANY
 Poison Center Berlin - Institute of Toxicology
 Tel: +49 030 192 40
- **1.5 Reference Number:** TP19-009113-TJ; SHAEC1925182101
- **1.6 Remark:**
 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 client's reference only.

SECTION 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	H350i	May cause cancer by inhalation.
Repr. 1B	H360D	May damage the unborn child.
STOT RE 1	H372	Causes damage to organs through prolonged or repeated exposure.



GHS05 corrosion

Skin Corr. 1B	H314	Causes severe skin burns and eye damage.
Eye Dam. 1	H318	Causes serious eye damage.



GHS09 environment

Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.
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GHS07

Skin Sens. 1	H317	May cause an allergic skin reaction.
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Printing date 29.11.2019

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Trade name: Ni-MH Battery

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· **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**



GHS05 GHS08 GHS09

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

nickel dihydroxide

nickel

potassium hydroxide

cobalt oxide

· **Hazard statements**

H314 Causes severe skin burns and eye damage.

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.

H350i May cause cancer by inhalation.

H360D May damage the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P260 Do not breathe dusts or mists.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

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

· **Additional information:**

EUH014 Reacts violently with water.

Restricted to professional users.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:**

Mixture of the substances listed below with nonhazardous additions.

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For the wording of the listed hazard statements refer to Section 16.

· Composition:		
CAS: 7439-89-6 EINECS: 231-096-4	iron	35.89%
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	22.02%
CAS: 7439-91-0 EINECS: 231-099-0	Lanthanum	11.45%
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	11.45%
CAS: 9003-07-0	polypropylene	6.61%
CAS: 9002-86-2	polyvinyl chloride substance with a Community workplace exposure limit	5.5%
CAS: 7732-18-5 EINECS: 231-791-2	Water	4.4%
CAS: 1310-58-3 EINECS: 215-181-3 Index number: 019-002-00-8	potassium hydroxide ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302	2.2%
CAS: 1307-96-6 EINECS: 215-154-6 Index number: 027-002-00-4	cobalt oxide ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	0.44%
CAS: 1310-66-3	Lithium hydroxide monohydrate ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	0.04%

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information:

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.

If skin irritation continues, consult a doctor.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Drink plenty of water and provide fresh air. 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.

EU

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Trade name: Ni-MH Battery

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO₂ sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water.
- **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.
Wear fully protective suit.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid formation of dust.
Ensure adequate ventilation.
Keep away from ignition sources.
Avoid contact with eyes.
Avoid contact with skin.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
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:**
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Thorough dedusting.
Avoid contact with eyes and skin.
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Prevent short cut and movement which could lead to short circuits.
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 ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

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Printing date 29.11.2019

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Trade name: Ni-MH Battery

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- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Keep away from ignition sources.
Do not store together with oxidising and acidic materials.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

7440-02-0 nickel (22.02%)

AGW (Germany)	Long-term value: 0.006A; 0.030E* mg/m ³ 8(II); AGS, 24, Sh, Y, 10*, 31*
VME (France)	Long-term value: 1 mg/m ³ C2

12054-48-7 nickel dihydroxide (11.45%)

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
VME (France)	Long-term value: 1 mg/m ³ C1A, M2, R1B

9002-86-2 polyvinyl chloride (5.5%)

AGW (Germany)	Long-term value: 1.25* 10** mg/m ³ 2(II); *alveolengängig**einatembare; AGS, DFG
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1310-58-3 potassium hydroxide (2.2%)

VME (France)	Short-term value: 2 mg/m ³
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1307-96-6 cobalt oxide (0.44%)

MAK (Germany)	einatembare Fraktion; vgl. Abschn. XIII
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· **Regulatory information**

AGW (Germany): TRGS 900
VME (France): ED 984, 10.2016
MAK (Germany): MAK- und BAT-Liste

- **DNELs:** Data not available.
- **PNECs:** Data not available.

· **Additional information:** The lists valid during the making were used as basis.

· 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.

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Trade name: Ni-MH Battery

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- **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.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Solid
Colour:	Silver grey
Odour:	Odourless
Odour threshold:	Data not available.

- **pH-value:** Data not available.

- **Change in condition:**

Melting point/freezing point:	Data not available.
Initial boiling point and boiling range:	Data not available.

- **Flash point:** Data not available.

- **Flammability (solid, gas):** Data not available.

- **Auto-ignition temperature:** Data not available.

- **Decomposition temperature:** Data not available.

- **Self-igniting:** Data not available.

- **Explosive properties:** Data not available.

- **Explosion limits**

Lower:	Data not available.
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Upper:	Data not available.
· Oxidizing properties:	Data not available.
· Vapour pressure:	Data not available.
· Density:	Data not available.
· Relative density:	Data not available.
· Vapour density:	Data not available.
· Evaporation rate:	Data not available.
· Solubility in / Miscibility with water:	Data not available.
· Partition coefficient: n-octanol/water:	Data not available.
· Viscosity:	
Dynamic:	Data not available.
Kinematic:	Data not available.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used according to specifications.
- **10.2 Chemical stability** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions** Contact with water releases flammable gases.
- **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.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

1307-96-6 cobalt oxide

Oral	LD50	202 mg/kg (rat)
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7439-89-6 iron

Oral	LD50	30,000 mg/kg (rat)
------	------	--------------------

- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation**
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 by inhalation.
- **Reproductive toxicity**
May damage the unborn child.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**
Causes damage to organs through prolonged or repeated exposure.

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· **Aspiration hazard** Based on available data, the classification criteria are not met.

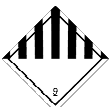
SECTION 12: Ecological information

- **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.
 Must not reach sewage water or drainage ditch undiluted or unneutralised.
 Danger to drinking water if even extremely small quantities leak into the ground.
 Also poisonous for fish and plankton in water bodies.
 Toxic for aquatic organisms

SECTION 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.

SECTION 14: Transport information

- | | |
|---|--|
| · 14.1 UN-Number
· ADR/RID/ADN, IATA
· IMDG | Not applicable.
UN3496 |
| · 14.2 UN proper shipping name
· ADR/RID/ADN, IATA
· IMDG | Not applicable.
Batteries, nickel-metal hydride |
| · 14.3 Transport hazard class(es)
· ADR/RID/ADN, IATA
· Class
· Label | Not applicable.
Not applicable. |
| · IMDG
<div style="text-align: center;">  </div> | |
| · Class | 9 Miscellaneous dangerous substances and articles. |

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· Label	9
· 14.4 Packing group	
· ADR/RID/ADN, IMDG, IATA	Not applicable.
· 14.5 Environmental hazards	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 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.
· 14.8 Transport/Additional information:	
· IMDG	
· Limited quantities (LQ)	0
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

SECTION 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
1307-96-6	cobalt oxide	2

· Directive 2012/18/EU

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

· Seveso category

O1 Substances or mixtures with hazard statement EUH014

E2 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** 500 t

· National regulations:

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

· Other regulations, limitations and prohibitive regulations

· SVHC Candidate List of REACH Regulation Annex XIV Authorisation (16/7/2019)

None of the ingredients is listed.

· REACH Regulation Annex XVII Restriction (20/6/2019)

See Section 16 for information about restriction of use.

12054-48-7	nickel dihydroxide
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· REACH Regulation Annex XIV Authorisation List (13/6/2017)

None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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.

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- 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.
 H350i May cause cancer by inhalation.
 H351 Suspected of causing cancer.
 H360D May damage the unborn child.
 H372 Causes damage to organs through prolonged or repeated exposure.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

Recommended restriction of use

REACH Regulation Annex XVII – 28

Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.
 nickel dihydroxide (CAS No.12054-48-7)

Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:

1. Shall not be placed on the market, or used,
 - as substances,
 - as constituents of other substances, or,
 - in mixtures,

for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than:

- either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or,
 - the relevant concentration specified in Directive 1999/45/EC where no specific concentration limit is set out in Part 3 of Annex VI to Regulation (EC) No 1272/2008.

Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:
 'Restricted to professional users'.

2. By way of derogation, paragraph 1 shall not apply to:

- (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC;
 (b) cosmetic products as defined by Directive 76/768/EEC;
 (c) the following fuels and oil products:
 - motor fuels which are covered by Directive 98/70/EC,
 - mineral oil products intended for use as fuel in mobile or fixed combustion plants,
 - fuels sold in closed systems (e.g. liquid gas bottles);
 (d) artists' paints covered by Directive 1999/45/EC;
 (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.

Classification according to Regulation (EC) No 1272/2008

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 - long-term (chronic) aquatic hazard

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

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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 reasons, 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.

Remark

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 client's reference only.

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
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Corr. 1A: Skin corrosion/irritation – Category 1A
 Skin Corr. 1B: Skin corrosion/irritation – Category 1B
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 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. 2: Carcinogenicity – Category 2
 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 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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End of document