

SAFETY DATA SHEET

HYDROCHROME EXTREME EX1

Issued on 09/06/2010 - Rev. n. 5 on 16/02/2022

Cod. EX1

In conformity to Regulation (EC) No 453/2010 of 20 May 2010

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. *Product identifier*

Product code: EX1

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

Use: Solution for metallisation
Uses advised against: Do not use for purposes other than those listed.

1.3. *Details of the supplier of the safety data sheet*

Company name: CREATIVE PAINT LTD

24/6 DRYDEN ROAD
BILSTON GLEN IND. EST. LOANHEAD
MIDLOTHIAN
EH20 9HX

Email: Hello@creativepaints.co.uk

1.4. *Emergency telephone number*

Tel: 0131 440 9804(Emergency only. Working hours)

IPCS:

http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/index.html

2. HAZARDS IDENTIFICATION

2.1. *Classification of the substance or mixture*

CAS 123-86-4 CEE 607-025-00-1 EINECS 204-658-1 REACH 01-2119485493-29

2.1.1 *Classification according to Regulation (EC) No 1272/2008:*

Pictograms: **GHS07**
Hazard Class and Category Code(s): **Skin Irrit. 2, Eye Irrit. 2**
Hazard statement Code(s): H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

2.1.2 *Classification according to Directive 1999/45/EEC:*

Classification: **Xi; R36/38**
Nature of special risks attributed: R36/38 - Irritating to eyes and skin.

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

2.2. *Label elements*

Labelling according to Regulation (EC) No 1272/2008

Pictogram, Signal Word Code(s): **GHS07**
Warning

Hazard statement Code(s): H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

Precautionary statements:



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Prevention: P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response: P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.

Contains: Sodium hydroxide

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII
No information on other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixtures.

Substance	Conc. %	Classification	Classification	Identification Number		REACH
		Dir 67/548	Reg 1272/08	CEE:	CAS:	
Sodium hydroxide	1 ÷ 5	C; R35	Skin Corr. 1A, H314	011-002-00-6	1310-73-2	01-2119457892-27
				EINECS:	215-185-5	

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well-ventilated room. CALL A PHYSICIAN.

Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

Direct contact with eyes (of the pure product):

D Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

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5.3. Advice for fire-fighters

Use protection for the breathing apparatus
Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use self respirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations.

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact and inhalation of vapours. See also paragraph 8 below.

At work do not eat or drink.

Do not smoke at work.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabelled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

7.3. Specific end use(s)

Professional uses:

Follow the rules of good hygiene in the workplace.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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Substance	TLV-TWA	TLV-STEL	OTHER
Sodium hydroxide	-	-	TLV-Ceiling=1.2ppm, 2g/m ³ (ACGIH 1997)

8.2. Exposure controls

Individual protection measures:

Eye / face protection:	When handling the pure product use safety glasses (spectacles cage) (EN 166).	
Skin protection:	When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)	
Other:	When handling the pure product wear full protective skin clothing.	
Respiratory protection:	Needed in case of insufficient ventilation or prolonged exposure. Use adequate protective respiratory equipment (EN 141)	
Other:	Safety shoes.	
Thermal hazards:	No hazard to report	

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value
Appearance	Liquid
Odour	Characteristic
Odour threshold	Not determined
pH	10
Melting point/freezing point	Not determined
Initial boiling point and boiling range	>100°C
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability or explosive limits	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	0.95g/mL
Solubility	Insoluble in organic solvents
Water solubility	Soluble
Partition coefficient: n-octanol/water	Not determined

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Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined

9.2. Other information

Content of VOC: 0%

10. STABILITY AND REACTIVITY**10.1. Reactivity**

No reactivity hazards.

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions.

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, inorganic sulfide, strong reducing agents.
It can generate toxic gases to contact with inorganic sulfide, strong reducing agents.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

ATE(mix) oral = 0.0 mg/kg

ATE(mix) dermal = 0.0 mg/kg

ATE(mix) inhal = 0.0 mg/l/4 h

(a) acute toxicity	Sodium hydroxide: The substance is highly corrosive to the eyes, the skin and the respiratory tract. Corrosive if swallowed. Aerosol inhalation of the substance can cause pulmonary edema
(b) skin corrosion/irritation	If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema. Sodium hydroxide: Corrosive
(c) serious eye damage/irritation	If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours. Sodium hydroxide: The substance is highly corrosive to eyes
(d) respiratory or skin sensitization	Not applicable
(e) germ cell mutagenicity	Not applicable
(f) carcinogenicity	Not applicable
(g) reproductive toxicity	Not applicable
(h) specific target organ toxicity (STOT) single exposure	Not applicable
(i) specific target organ toxicity (STOT) repeated exposure	Sodium hydroxide: Repeated or prolonged contact with skin may cause dermatitis.
(j) aspiration hazard	Sodium hydroxide: Evaporation at 20 C negligible; a harmful concentration of aereodisperse particles can, however,

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be reached quickly.

Related to contained substances:

Sodium hydroxide

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.

ACUTE HAZARDS / SYMPTOMS

INHALATION: Corrosive. Burning sensation. Sore throat. Cough. Shortness of breath. Shortness of breath. Symptoms may be delayed (see Notes).

SKIN: Corrosive. Redness. Pain. Serious skin burns. Blisters.

EYES: Corrosive. Redness. Pain. Blurred vision. Severe deep burns.

INGESTION: Corrosive. Burning sensation. Abdominal pain. Shock or collapse.

LD50 (rat) Oral (mg/kg body weight) = 2000

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Related to contained substances:

Sodium hydroxide

This substance may be hazardous to the environment, special attention should be given to aquatic organisms.

C(E)L50 (mg/l) = 33

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Related to contained substances:

Sodium hydroxide

Released to soil, can be dissolved as a result of rain and infiltrate the soil is still difficult to predict the concentration and properties of the solution.

12.5. Results of PBT and vPvB assessment

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

14. TRANSPORT INFORMATION

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14.1 UN number

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2 UN proper shipping name

None

14.3 Transport hazard class(es)

None

14.4 Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

15. REGULATORY INFORMATION

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

Reg (EC) n. 1907/2006 (REACH), Reg (EC) n. 1272/2008 (CLP), Reg (EC) n. 453/2010 (Requirements for the compilation of safety data sheets), Reg (E) n.790/2009, Dir 96/82/EC as amended.

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

16. OTHER INFORMATION

16.1. Other information

Description of the sentences of risk set out in paragraph 3

R35 = Causes severe burns.

Description of the hazard statements exposed to point 3

H314 = Causes severe skin burns and eye damage.

Regulatory information:

Dir 67/548 29° Amendment

Dir 1999/45/EC e s.a.a.

Dir 2001/60/EC

Reg 1907/2006 EC

Reg 1272/2008 EC

Reg 453/2010 EC

NOTICE TO USERS:

The information contained herein is based on the knowledge available at the date of completion relating to requirements for safety, health, environmental protection and proper use of the product. The user must be aware of the possible risks associated with use of the product other than that for which the product is shipped. The card is not in any way excuse the user from knowing and applying all the regulations governing its activities. The set of regulations mentioned is simply to help the user to fulfil its obligations regarding the use of hazardous products. This does not exonerate the user from ensuring that legal obligations other than those mentioned and regulated, the possession and use of the product is solely responsible.

*** This sheet supersedes all previous editions.

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