SAFETY DATA SHEET

HYDROCHROME CATALYST

Compilation date: 27/01/2016

Revision Date: 16/02/2022

Revision No: 2

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

1.1. Product identifier

Product name: HYDROCHROME CATALYST

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

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

Emergency tel: 0131 440 9804 (Main Telephone number)

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: STOT SE 3: H336; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Resp. Sens. 1: H334; Skin Sens. 1: H317; -: EUH208; -: EUH066

Most important adverse effects: Flammable liquid and vapour. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness. Contains hexamethylene-di-isocyanate, 4-isocyanatosulphonyltoluene, 4-methyl-m-phenylene diisocyanate. May produce an allergic reaction. Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

Label elements:

Hazard statements: H226: Flammable liquid and vapour.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

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

H336: May cause drowsiness or dizziness.

EUH208: Contains hexamethylene-di-isocyanate, 4-isocyanatosulphonyltoluene, 4-

[cont...]

methyl-m-phenylene diisocyanate. May produce an allergic reaction.

EUH066: Repeated exposure may cause skin dryness or cracking.

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard

Signal words: Danger

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240: Ground/Bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/.. equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

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

P285: In case of inadequate ventilation wear respiratory protection.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a physician if you feel unwell.

P333+313: If skin irritation or rash occurs: Get medical advice/attention.

P337+313: If eye irritation persists: Get medical advice/attention.

P342+311: If experiencing respiratory symptoms: Call a physician.

P370+378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P403+235: Store in a well-ventilated place. Keep cool.

P501: Dispose of contents/container to hazardous waste which comply with local/regional regulations.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

[cont...]

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

N-BUTYL ACETATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
204-658-1	123-86-4	-	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	50-70%

BENZENE,2,4-DIISOCYANATO-1-METHYL, POLYMER WITH 1, 6-DIISOCYANATOHEXANE

-	26426-91-5	-	Skin Sens. 1: H317; Eye Irrit. 2: H319; Resp. Sens. 1: H334	10-30%

HEXAMETHYLENE DIISOCYANATE, OLIGOMERS

-	28182-81-2	-	Acute Tox. 4: H332; Skin Sens. 1: H317; STOT SE 3: H335; Resp. Sens. 1: H334	10-30%

XYLENE

215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	1-10%

2-METHOXY-1-METHYLETHYL ACETATE

203-603-9	108-65-6	Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226	1-10%

4-ISOCYANATOSULPHONYLTOLUENE

223-810-8	4083-64-1	-	Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; -: EUH014	<1%

4-METHYL-M-PHENYLENE DIISOCYANATE

209-544-5	584-84-9	-	Carc. 2: H351; Acute Tox. 2: H330; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317; Aquatic Chronic 3: H412	<1%

HEXAMETHYLENE-DI-ISOCYANATE

212-485-8	822-06-0	-	Acute Tox. 3: H331; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	<1%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Do not use solvents or thinners. Put shower on working place.

[cont...]

Eye contact: Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Remove any contact lenses. Consult a doctor if required. Put eye-washer on working place.

Ingestion: If accidentally swallowed obtain immediate medical attention. Do not induce vomiting. Keep at rest.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

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

Skin contact: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin. The product may be absorbed through the skin.

Eye contact: The liquid splashed in the eyes may cause irritation and reversible damage.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water spray. Alcohol resistant foam. Dry chemical. Carbon dioxide. Keep containers and surroundings cool with water spray. Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: As the product contains combustible organic components, fire will product dense black smoke containing hazardous products of combustion. Exposure to decomposition products may be a hazard to health.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Cool closed containers explosed to fire with water spray. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Solvent vapours are heavier than air and may spread along floors. Ensure adequate ventilation. Use personal protective equipment. Evacuate the area immediately. Keep people away from and upwind of spill/leak. Ventilate the area.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Inform respective authorities in case of seepage into water course or sewage system.

[cont...]

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Clean with detergents. Avoid solvents. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/regional/national regulations. Soak up with inert absorbent material and dispose of as hazardous waste.

6.4. Reference to other sections

Reference to other sections: Refer to section 15.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid vapour concentration higher than the occupational exposure limits. Ensure there is exhaust ventilation of the area. Smoking is forbidden. Do not eat or drink in work area. Avoid inhalation of vapour or mist. For personal protection see section 8. Thoroughly mix before use. Prevent the formation of flammable or explosive concentrations of vapour in air. Use non-sparking tools. When transferring from one container to another apply earthing measures and use conductive hose material. The products should only be used in areas from which all naked lights and other sources of ignition have been excluded.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: After use, store in a well-sealed container. Observe label precautions. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards. Keep away from sources of ignition. Do not smoke. Store between 5C and 35C in a dry, well ventilated place. Keep away from direct sunlight. Store in accordance with the particular national regulations.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

N-BUTYL ACETATE

Workplace exposure limits: **Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	724 mg/m3	966 mg/m3	-	-

[cont...]

XYLENE

UK	220 mg/m3	441 mg/m3	-	-

2-METHOXY-1-METHYLETHYL ACETATE

UK	274 mg/m3	548 mg/m3	-	-

4-ISOCYANATOSULPHONYLTOLUENE

UK	0.02 mg/m3	0.07 mg/m3	-	-

4-METHYL-M-PHENYLENE DIISOCYANATE

UK	0.02 mg/m3	0.07 mg/m3	-	-

HEXAMETHYLENE-DI-ISOCYANATE

UK	0.02 mg/m3	0.07 mg/m3	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is exhaust ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Respirator with combination filter for vapour/particulate (EN 141). Apply technical measures to comply with the occupational exposure limits. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection: Solvent-resistant gloves (butyl-rubber). Ensure gloves are manufactured/tested in accordance with BS EN 374. Observe instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the CE approved gloves. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occured. Wash hands after use. Wash your hands and put on barrier creams.

Eye protection: Chemical resistant goggles.

Skin protection: Protective clothing. Skin should be washed after contact. Working clothes must not consist of textiles, which show a dangerous melting behaviour in case of fire. Antistatic boots.

Environmental: Prevent from entering in public sewers or the immediate environment. If the product contaminates rivers, lakes or drains inform respective authorities.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Clear

Odour: Solvent like.

[cont...]

Flash point°C: >23 - 55

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Direct sunlight. Heat. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: Oxidising agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Oxides of nitrogen. Emits dense black smoke.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

N-BUTYL ACETATE

ORL	MUS	LD50	6	gm/kg
ORL	RAT	LD50	10768	mg/kg

XYLENE

ORL	MUS	LD50	2119	mg/kg
ORL	RAT	LD50	4300	mg/kg
SCU	RAT	LD50	1700	mg/kg

2-METHOXY-1-METHYLETHYL ACETATE

IPR	MUS	LD50	750	mg/kg
ORL	RAT	LD50	8532	mg/kg

[cont...]

4-ISOCYANATOSULPHONYLTOLUENE

IPR	RAT	LD50	775	mg/kg
ORL	RAT	LD50	2234	mg/kg

4-METHYL-M-PHENYLENE DIISOCYANATE

IVN	MUS	LD50	56	mg/kg
ORL	RAT	LD50	5800	mg/kg

HEXAMETHYLENE-DI-ISOCYANATE

IVN	MUS	LD50	5600	µg/kg
ORL	MUS	LD50	350	mg/kg
ORL	RAT	LD50	710	µl/kg

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	INH DRM	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin. The product may be absorbed through the skin.

Eye contact: The liquid splashed in the eyes may cause irritation and reversible damage.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

[cont...]

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: This product should not be allowed to enter drains, water courses or the soil. Transfer to a suitable container and arrange for collection by specialised disposal company.
Dispose of waste and residues in accordance with local authority requirements.

Waste code number: 15 01 10

Disposal of packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1263

14.2. UN proper shipping name

Shipping name: PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No **Marine pollutant:** No

14.6. Special precautions for user

Tunnel code: D/E

Transport category: 3

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

[cont...]

Phrases used in s.2 and s.3: EUH014: Reacts violently with water.
EUH066: Repeated exposure may cause skin dryness or cracking.
EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.
H226: Flammable liquid and vapour.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H330: Fatal if inhaled.
H331: Toxic if inhaled.
H332: Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.