

Regency FCB (UK) Ltd

Bentwood Road, Carrs Ind Est, Haslingden, Rossendale, Lancashire, BB4 5HH

TEL: 01706 831808 FAX: 01706 212265

EMAIL: enquiries@regencyfcb.com

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

PRODUCT NAME

FORMOSUL
(DISCHARGE POWDER)

PRODUCT CODE -2002

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

REGENCY FCB (UK) LTD
UNIT 4, BENTWOOD ROAD
HASLINGDEN
LANCASHIRE
BB4 5HH

1.4 EMERGENCY TELEPHONE NUMBER

EMERGENCY INFORMATION

Tel: +44(0)1706 831808 (office hours only)

Fax : +44(0)1706 212265

Email : enquiries@regencyfcb.com

INTENDED USE

Industrial. For professional use only

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION UNDER CLP

Muta. 2 H341

Repr. 2 H361d

MOST IMPORTANT ADVERSE EFFECTS

2.2 LABEL ELEMENTS

PICTOGRAMS

GHS08



SIGNAL WORD

WARNING

HAZARD STATEMENTS

H341-Suspected of causing genetic defects

H361d-Suspected of damaging the unborn child

PRECAUTIONARY STATEMENTS

P201-Obtain special instructions before use

P202-Do not handle until all safety precautions have been read and understood

Version 3

Compiled on 2019 02 15

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P281-Use personal protective equipment as required
P308+P313-If exposed or concerned: Get medical advice/attention
P405-Store locked up
P501-Dispose of contents/container to waste treatment in accordance with national regulations
EUH032-Contacts with acids liberates very toxic gas

EUH STATEMENTS

2.3 OTHER HAZARDS

Other hazards not contributing to the classification: Contact with acids liberates very toxic gas

This product does not meet the PBT criteria of REACH regulation, annex XIII

This product does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

DANGEROUS SUBSTANCE	% PRESENT	PBT / WEL	CAS	CLP CLASSIFICATION
Sodium hydroxymethanesulphinate	98-99.5%	-	149-44-0 EC no 205-739-4	Muta. 2, H341 Repr. 2, H361d
Sodium Carbonate	<5%		497-19-8 EC no. 207-838-8	Eye Irrit 2, H319

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

INGESTION

Wash out mouth with water. Do not induce vomiting, call a doctor

INHALATION

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell seek medical advice

EYE CONTACT

Bathe the eye with running water for 15-20 minutes, after taking off any soft contact lenses, seek medical advice

SKIN CONTACT

Immediately remove any contaminated clothing and footwear. Wash immediately with plenty of soap and water, if skin irritation or rash occurs: Get medical advice/attention

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

INGESTION

Ingestion may cause nausea, vomiting and diarrhoea

INHALATION

EYE CONTACT

SKIN CONTACT

DELAYED / IMMEDIATE EFFECTS

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4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

IMMEDIATE / SPECIAL TREATMENT Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Water, carbon dioxide (CO₂), powder and foam. If there is a fire close by, use suitable extinguishing agents

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

EXPOSURE HAZARDS In fire emits sulphur dioxide, carbon dioxide and carbon monoxide

5.3 ADVICE FOR FIREFIGHTERS

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Evacuate from danger area. Keep public away from danger area. Mark the danger area. Avoid dust formation
Wear personal protective equipment

6.2 ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment. Do not discharge into drains or rivers. Notify authorities if product enters sewers or public waters

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Dike and contain spill. Place in a suitable container for disposal in accordance with the waste regulations
for spills after removal wash floor with plenty of water

6.4 REFERENCE TO OTHER SECTIONS Refer to section 8 of SDS

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

Read label before use. Avoid dust formation
Hygiene Measures-Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with soap and water before leaving work. Apply emollient cream

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in a cool, well ventilated area. Keep container tightly closed
Do not store near oxidising or acidic materials

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Store at temperature < 40°C

Store away from direct sunlight or other heat sources

7.3 SPECIFIC END USES

No data available

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

GENERAL	No data available	No data available
DNEL / PNEC		No data available
Hazardous Ingredients		
Formaldehyde (50-00-0)		
UK WEL TWA (mg/m ³)	2.5 mg/m ³	Hazardous decomposition product
UK WEL TWA (ppm)	2 ppm	Hazardous decomposition products
UK WEL STEL (mg/m ³)	2.5 mg/m ³	Hazardous decomposition products
UK WEL STEL (ppm)	2 ppm	Hazardous decomposition products
Sodium Hydroxymethanesulphinat 149-44-0		
Acute-systemic effects, dermal	40 mg/kg bodyweight per day	
Acute-systemic effects, inhalation	140 mg/m ³	
Acute-Local effects dermal	0.225 mg/cm ³	
Acute-Local effects inhalation	Not required	
Long-term-systemic effects, dermal	6 mg/kg bodyweight per day	
Long-Term-local effects, dermal	Not required	
Long-term-systemic effects, inhalation	21 mg/m ³	
Long-term-local effects inhalation	Not required	
PNEC WATER		
PNEC aqua (freshwater)	56 µg/L	
PNEC aqua (marine water)	6 µg/L	
PNEC aqua (intermittent, freshwater)	0.056 mg/l	
PNEC SEDIMENT		
PNEC sediment (freshwater)	0.046 mg/kg dwt	
PNEC sediment (marine water)	0.005 mg/kg dwt	
PNEC (Soil)		
PNEC (soil)	0.011 mg/kg dwt	
PNEC (STP)		
PNEC (sewage treatment plant)	0.001 mg/l	

8.2 EXPOSURE CONTROLS

RESPIRATORY PROTECTION

In case of dust formation use respirator with filter P2 or P3 (Half mask or full face piece respirator. Additional hazards when processed: Formaldehyde

HAND PROTECTION

Recommended materials. Nitrile rubber (0.11 mm). Penetration time of glove > 480 min (EN374). Please follow the instructions related to the permeability and penetration time provided by the manufacturer. Choosing the proper glove is a decision that depends not only on the type of material, but also on other

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EYE PROTECTION
SKIN PROTECTION

quality features which differ for each manufacturer
Sealed safety goggles (EN166)
Wear proper protective equipment, Gloves. Protective goggles.
Insufficient ventilation wear respiratory equipment

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

STATE	Powder
COLOUR	White
pH	10 (DIN 53785)
ODOUR	Characteristic
BOILING RANGE °C	

9.2 OTHER INFORMATION

Corrosive to metals. Not classified. (UN 37.4 C.1)

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

Corrosive to metals. Not classified. (UN 37.4 C.1), Contact with acids liberates very toxic gas

10.2 CHEMICAL STABILITY

The product is stable at normal handling and storage conditions. Stabilizer: sodium carbonate

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Reacts vigorously with strong oxidizers and acids

10.4 CONDITIONS TO AVOID

Aqueous solution oxidizes on exposure to air. Recommended storage temperature. SECTION 7

10.5 INCOMPATIBLE MATERIALS

Oxidizing agents. Strong acids

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

On contact with acid releases: Hydrogen sulphide. Sulphur dioxide. Formaldehyde. Toxic gases

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

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SYMPTOMS / ROUTES OF EXPOSURE

SODIUM HYDROXYMETHANE SULPHINATE (149-44-0)

LD50 ORAL RAT

>5000mg/kg (OECD 423 METHOD)

LD50 DERMAL RAT

>2000 mg/kg (OECD 402 Method)

SODIUM CARBONATE (497-19-8)

LD50 ORAL RAT

>2800mg/kg

LD50 DERMAL RAT

>2000mg/kg (16 CFR 1500.540)

LC50 INHALTION RAT (mg/l)

2300 mg/m³/2h (OECD SIDS)

Skin corrosion/irritation

Sodium hydroxymethanesulphinate: Not irritating. Rat. (OECD 402 method). Sodium carbonate: irritating. Rat. (OECD404 method)

Serious eye damage/irritation

Sodium hydroxymethanesulphinate: Slightly irritant but not relevant for classification. (OECD405 method). Sodium carbonate: Irritating. Rat. (16CFR 1500.42)

Respiratory or skin sensitisation

No sensitization reaction was observed for guinea pigs, Sodium carbonate, no data available

Germ Cell mutagenicity

Suspected of causing genetic defects

Sodium hydroxymethanesulphinate

Mutagenetic

(OECD 471 method)

Negative

(OECD 474 method)

Positive

(OECD 476 method)

Positive

Sodium carbonate

Negative

Reproductive Toxicity

Sodium hydroxymethanesulphinate

Fertility: NOAEL = 1000 mg/kgbw/d, rat OECD 422; NOAEL = 1000 mg/kgbw/d, rat, OECD 414

Developmental Toxicity, Teratogenicity: NOAEL = 1000 mg/kgbw/d, rat, OECD 422

Fetotoxic effects detected; no NOAEL can be defined for foetuses. (OECD 414)

Developmental toxicity, Maternal toxicity: 300mg/kgbw/d (rat, OECD 422); NOAEL = 300 mg/kgbw/d rat, OECD414)

Sodium carbonate

Developmental toxicity, Maternal toxicity:

NOAEL ≥179 mg/kgbw/d, rabbit, no teratogenetic effects

Conclusion; Reproductive toxicity, Category 2, H361d

Sodium hydroxymethanesulphinate

NOAEL, subacute, oral, rat, parental

=300MG/KG BODYWEIGHT/DAY (30days, (OECD 422 method))

NOAEL, subacute, oral, rat, developmental

=1000MG/KG BODYWEIGHT/DAY (30days, (OECD 422 method))

NOAEL, subchronic, oral, rat

=100MG/KG BODYWEIGHT/DAY (90days, (OECD 408 method))

NOAEL, subchronic, oral, rat

=600MG/KG BODYWEIGHT/DAY (90days, (OECD 408 method))

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SECTION 12: ECOLOGICAL INFORMATION

12.1	<u>TOXICITY</u> LC50, <i>Leuciscus idus</i>	>10000 mg/l (96 Hours, DIN 38412, Freshwater)
12.2	<u>PERSISTENCE AND DEGRADABILITY</u> BOD COD	Organic materials: Readily Biodegradable Approx. 0.014 g O2/g substance (BSB5) Approx 0.49g O2/g substance DIN 38412, part 43
12.3	<u>BIOACCUMULATIVE POTENTIAL</u>	Low bioaccumulation potential.
12.4	<u>MOBILITY IN SOIL</u>	No data available
12.5	<u>RESULTS OF PBT AND vPvB ASSESSMENT</u>	This product is not identified as a PBT / vPvB substance.
12.6	<u>OTHER ADVERSE EFFECTS</u>	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	<u>WASTE TREATMENT METHOD</u> This material and its container must be disposed of in a safe way, and as per local legislation Do not allow to enter drains or water courses Do not dispose of with domestic waste Handle uncleaned empty containers as full ones
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SECTION 14: TRANSPORT INFORMATION

TRANSPORT CLASS	Not regulated
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SECTION 15: REGULATORY INFORMATION

15.1	<u>SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE</u>	
	SPECIFIC REGULATIONS	Not applicable
15.2	<u>CHEMICAL SAFETY ASSESSMENT</u>	

SECTION 16: OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

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

Phrases used in s.2 and s.3: Contains

EYE IRRIT 2	Serious eye damage/eye irritation, Category 2
Muta .2	Germ cell mutagenicity, Category 2
Repr .2	Reproductive toxicity, Category 2
H319	Causes serious eye irritation
H341	Suspected of causing genetic defects

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H361d
EUH032
ERC1

Suspected of damaging the unborn child
Contact with acids liberates very toxic gas
Manufacture of substances

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal requirements. The information contained herein is accurate to the best of our knowledge and belief and is intended to describe our products from a point of view of health and safety requirements. It should not, therefore, be construed as guaranteeing specific properties. This company shall not be held liable for any damage resulting from handling or from contact with the above product