

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

### 1.1. Product identifier

**Product name:** SURFAC SULPHAMIC ACID

**REACH registered number(s):** 01-2119488633-28

**CAS number:** \* 5329-14-6

**EINECS number:** \* 226-218-8

**Index number:** 0577

**Product code:** SULPHAMICAC

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

**Use of substance / mixture:** \* Chemical intermediate. PC38: Welding and soldering products (with flux coatings or flux cores.), flux products. PC14: Metal surface treatment products, including galvanic and electroplating products. PC20: Products such as ph-regulators, flocculants, precipitants, neutralization agents. PC1: Adhesives, sealants. PC3: Air care products. PC15: Non-metal-surface treatment products. PC35: Washing and cleaning products (including solvent based products). PC32: Polymer preparations and compounds. PC31: Polishes and wax blends. PC26: Paper and board dye, finishing and impregnation products: including bleaches and other processing aids. PC23: Leather tanning, dye, finishing, impregnation and care products.

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

**Company name:** Surfachem Group Ltd  
2 The Embankment  
Sovereign Street  
Leeds  
West Yorkshire  
LS1 4BA  
United Kingdom

**Tel:** + 44 (0)113 394 9200

**Fax:** + 44 (0)113 244 5910

**Email:** [enquiries@surfachem.com](mailto:enquiries@surfachem.com)

### 1.4. Emergency telephone number

**Emergency tel:** + 44 (0)1865 407 333

**Manufacturer:** Surfachem Group Ltd  
2 The Embankment  
Sovereign Street

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Leeds  
West Yorkshire  
LS1 4BA  
United Kingdom  
Tel: + 44 (0)113 394 9200  
Fax: + 44 (0)113 244 5910  
Emergency tel: -  
Email: [enquiries@surfachem.com](mailto:enquiries@surfachem.com)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Eye Irrit. 2: H319; Aquatic Chronic 3: H412; Skin Irrit. 2: H315

**Classification under CHIP:** Xi: R36/38; -: R52/53

**Most important adverse effects:** Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Label elements under CLP:

**Hazard statements:** \* H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H412: Harmful to aquatic life with long lasting effects.

**Signal words:** \* Warning

**Hazard pictograms:** \* GHS07: Exclamation mark



**Precautionary statements:** \* P264: Wash thoroughly after handling.  
P273: Avoid release to the environment.  
P261: Avoid breathing.  
P302+352: IF ON SKIN: Wash with plenty of soap and water.  
P332+313: If skin irritation occurs: Get medical advice/attention.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313: If eye irritation persists: Get medical advice/attention.

### 2.3. Other hazards

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

## Section 3: Composition/information on ingredients

[cont...]

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## 3.1. Substances

**Chemical identity:** SULPHAMIC ACID

**CAS number:** \* 5329-14-6

**EINECS number:** \* 226-218-8

**REACH registered number(s):** 01-2119488633-28

## 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. Seek medical advice if irritation occurs after washing.

**Eye contact:** \* Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** \* Do not induce vomiting. Wash out mouth with water. Consult a doctor.

**Inhalation:** \* Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

**Skin contact:** There may be irritation and redness at the site of contact. There may be redness or whiteness of the skin in the area of exposure. An itchy rash may occur at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely. There may be severe pain. Corneal burns may occur.

**Ingestion:** There may be soreness and redness of the mouth and throat. Headaches or general malaise may result. There may be vomiting and diarrhoea.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. There may be congestion of the lungs causing severe shortness of breath. Nausea and stomach pain may occur.

### 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. Carbon dioxide. Dry chemical powder. Alcohol or polymer foam.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

### 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.

[cont...]

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## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Mix with sand or vermiculite. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

### 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves. Nitrile gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Crystals

**Colour:** White

**Odour:** Odourless

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**Solubility in water:** Soluble

**Melting point/range°C:** 205

**Relative density:** ~2.15g/cm<sup>3</sup>

**Vapour pressure:** 0.0078hPa

**pH:** 1.18 (10g/l)

**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:** \*

**10.4. Conditions to avoid**

**Conditions to avoid:** Humidity. Heat.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Alkalis. Finely powdered metals. Nitrates.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes of nitrogen oxides. In combustion emits toxic fumes of sulphur oxides.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**\* Toxicity values:**

Route	Species	Test	Value	Units
ORL	RAT	LD50	200	mg/kg
DERMAL	RAT	LD50	2000	mg/kg

**Hazardous ingredients:**

**SULPHAMIC ACID**

IPR	RAT	LDLO	100	mg/kg
ORL	MUS	LD50	1312	mg/kg
ORL	RAT	LD50	3160	mg/kg

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## Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Based on test data
Serious eye damage/irritation	OPT	Based on test data

## Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact. There may be redness or whiteness of the skin in the area of exposure. An itchy rash may occur at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely. There may be severe pain. Corneal burns may occur.

**Ingestion:** There may be soreness and redness of the mouth and throat. Headaches or general malaise may result. There may be vomiting and diarrhoea.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. There may be congestion of the lungs causing severe shortness of breath. Nausea and stomach pain may occur.

## Section 12: Ecological information

### 12.1. Toxicity

#### \* Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	70.3	mg/l
Daphnia magna	48H EC50	71.6	mg/l

### 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:** Soluble in water.

### 12.5. Results of PBT and vPvB assessment

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

### 12.6. Other adverse effects

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Must be disposed of in accordance with local and national regulations.

**Disposal of packaging:** Dispose of as normal industrial waste.

[cont...]

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**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: UN2967

### 14.2. UN proper shipping name

Shipping name: SULPHAMIC ACID

### 14.3. Transport hazard class(es)

Transport class: 8

### 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: 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

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### 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:** H315: Causes skin irritation.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

R36/38: Irritating to eyes and skin.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Legend to abbreviations:** PNEC = predicted no effect level

DNEL = derived no effect level

[cont...]

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LD50 = median lethal dose  
LC50 = median lethal concentration  
EC50 = median effective concentration  
IC50 = median inhibitory concentration  
dw = dry weight  
bw = body weight  
cc = closed cup  
oc = open cup  
MUS = mouse  
GPG = guinea pig  
RBT = rabbit  
HAM = hamster  
HMN = human  
MAM = mammal  
PGN = pigeon  
IVN = intravenous  
SCU = subcutaneous  
SKN = skin  
DRM = dermal  
OCC = ocular/corneal  
PCP = physico-chemical properties

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