

DARRANT CHEMICALS

SAFETY DATA SHEET SULPHAMIC ACID

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

1.1. Product identifier

Product name	SULPHAMIC ACID
Product number	239
Synonyms; trade names	AMIDOSULPHURIC ACID,AMIDOSULPHONIC ACID,AMINOSULPHONIC ACID,SULPHAMIDIC ACID,SULPHAMIC ACID TSA GRADE,SULPHAMIC ACID 99.5%,SULPHAMIC ACID 99.5% TC,SULFAMIC ACID,SULFAMIC ACID MIN. 99.8%,SULPHAMIC ACID FAST SOLUBLE,DETARTRANT BS 12 AM
REACH registration number	01-2119488633-28; 01-2119846728-23; 01-2119982121-44
CAS number	5329-14-6
EU index number	016-026-00-0
EC number	226-218-8

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

Identified uses Chemical Flame retardant Cleaner

1.3. Details of the supplier of the safety data sheet

Supplier DARRANT CHEMICALS
Unit 1
Witham Point Business Park
Wavell Drive
Lincoln
LN3 4PL

1.4. Emergency telephone number 01522 521864

Emergency Contact Number 01522 521864
(Office Hours)

Emergency Contact Number 0207 4055375
(Outside Office Hours)

Sds No. 239

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Health hazards	Eye Irrit. 2 - H319 Skin Irrit. 2 - H315
Environmental hazards	Aquatic Chronic 3 - H412

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Xi;R36/38 R52/53

Classification (67/548/EEC or
1999/45/EC)

2.2. Label elements

EC number 226-218-8

Pictogram



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

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

P302+P352 IF ON SKIN: Wash with plenty of 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.

P314 Get medical advice/attention if you feel unwell.

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.1. Substances

Product name	SULPHAMIC ACID
REACH registration number	01-2119488633-28; 01-2119846728-23; 01-2119982121-44
EU index number	016-026-00-0
CAS number	5329-14-6
EC number	226-218-8
Composition comments	The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

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Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Inhalation May cause respiratory system irritation.

Ingestion May cause stomach pain or vomiting.

Skin contact Skin irritation.

Eye contact Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Ammonia or amines. Oxides of the following substances: Carbon. Nitrogen. Sulphur.

5.3. Advice for firefighters

Special protective equipment Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective for firefighters clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of dust and vapours. Avoid contact with skin and eyes. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry and cool place.

Storage class Corrosive storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

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8.1. Control parameters

8.2. Exposure controls

Protective equipment



Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Nitrile rubber.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Crystalline powder.
Colour	White. to Colourless.
Odour	Odourless.
pH	pH (diluted solution): 1.18 @ 1% solution (25°C)
Melting point	205°C
Flash point	Not applicable.
Upper/lower flammability or explosive limits	Data lacking.
Vapour pressure	0.78 Pa @ °C
Vapour density	3.35
Relative density	2.13 @ 20°C
Bulk density	1.300 kg/m ³
Solubility(ies)	21.3 g/100 g @ 20°C Slightly soluble in water.
Partition coefficient	log Pow: < 1
Auto-ignition temperature	Not applicable.
Viscosity	Data lacking.
Explosive properties	Data lacking.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

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Reactivity
10.2. Chemical stability

There are no known reactivity hazards associated with this product.

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

The following materials may react with the product: Hydrocarbons - halogenated. Oxidising materials. Inorganic nitrites. Inorganic nitrates. Nitric acid (HNO₃). Metals Water Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid

Water, moisture. Avoid heat.

10.5. Incompatible materials

Materials to avoid

Strong alkalis. Strong oxidising agents. Chlorine. Nitric acid (HNO₃).

10.6. Hazardous decomposition products

Hazardous decomposition

Oxides of the following substances: Nitrogen. Sulphur. products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Acute toxicity oral (LD₅₀) 2,000
mg/kg)

Species Rat

Skin corrosion/irritation

Animal data Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Severe irritation.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity Data lacking.

Reproductive toxicity

Reproductive toxicity - fertility Data lacking.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Data lacking.

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Inhalation May cause respiratory system irritation.

Ingestion May cause stomach pain or vomiting.

Skin contact Irritating to skin.

Eye contact Irritating to eyes.

SECTION 12: Ecological Information

Ecotoxicity The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity Very toxic to aquatic organisms.

Acute toxicity - fish LC50, 96 hours, 96 hours: 70.3 mg/l, Pimephales promelas (Fat-head Minnow)
OECD 203

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating. Partition
coefficient log Pow: < 1

12.4. Mobility in soil

Mobility The product is miscible with water and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB No data available.
assessment

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in
accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the
local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 2967

UN No. (IMDG) 2967

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UN No. (ICAO) 2967

14.2. UN proper shipping name

Proper shipping name (ADR/RID) SULPHAMIC ACID

Proper shipping name (IMDG) SULPHAMIC ACID (IMDG)

Proper shipping name (ICAO) SULPHAMIC ACID

Proper shipping name (ADN) SULPHAMIC ACID

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14.3. Transport hazard class(es)

ADR/RID class 8

ADR/RID subsidiary risk

ADR/RID label 8

IMDG class 8

IMDG subsidiary risk 8

ICAO class/division

ICAO subsidiary risk

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-A, S-B

Emergency Action Code 2Z

Hazard Identification Number 80
(ADR/RID)

Tunnel restriction code (E)

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

Transport in bulk according to No information
required. Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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Guidance CHIP for everyone HSG228.
Safety Data Sheets for Substances and Preparations.
Approved Classification and Labelling Guide (Sixth edition) L131.

Water hazard classification WGK 1

Inventory Information EINECS

15.2. Chemical safety assessment

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 15/08/2014

Revision 07

Supersedes date 04/01/2012

SDS number 239

SDS status Approved.

Signature K Winter

Risk phrases in full R36/38 Irritating to eyes and skin.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements in full H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

No chemical safety assessment has been carried out.

SECTION 16: Other information