



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2020/878)

durgol[®] Express

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

1.1. Product identifier

Product name	durgol [®] Express
Product code	70001
Unique formula identifier (UFI)	Y0PH-U0FC-120C-7NJQ

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

Use of the Substance/Mixture	Descaling agent
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1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification	Düring AG Langwiesenstrasse 1 CH-8108 Dällikon Telefon +41 44 847 27 49 www.duringag.ch www.durgol.com
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1.4. Emergency telephone number	145 (Tox Info Suisse)
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Version	1
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Skin corrosion/irritation, Cat. 2, H315
Serious eye damage/eye irritation, Cat. 2, H319

Additional information

For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word

Warning

Hazard Statements

H315: Causes skin irritation.
H319: Causes serious eye irritation.

Precautionary statements

P102: Keep out of reach of children.
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.

Supplemental information

None.

Product identifier

Not required.

2.3. Other hazards

No hazards to be specially mentioned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Not applicable.

Components	Weight %	CLP Classification	Product identifier
sulphamidic acid; sulphamic acid; sulfamic acid	< 15%	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Aquatic Chronic 3 H412	CAS-No.: 5329-14-6 EC-No.: 226-218-8 Index-No: 016-026-00-0

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities

None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. If eye irritation persists, consult a specialist.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Consult a physician if necessary.

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

The product contains no substances known to be hazardous to health in concentrations which need to be taken into account. No hazards which require special first aid measures.

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

None known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide.
Unsuitable extinguishing media	High volume water jet.

5.2. Special hazards arising from the substance or mixture

During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

5.3. Advice for firefighters

Special protective equipment for firefighters

Standard procedure for chemical fires. Wear self contained breathing apparatus for fire fighting if necessary.

Specific methods

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Use personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours/dust.
For emergency responders	Use personal protective equipment. Do not breathe vapours/dust. Ventilate the area.

6.2. Environmental precautions Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up 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 / national regulations (see section 13).

6.4. Reference to other sections See chapter 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Plan first aid action before beginning work with this product. Do not breathe vapours/dust. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities Keep container tightly closed. Store in original container. Keep out of the reach of children.

7.3. Specific end use(s) No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s) No Significant Risk Levels

8.2. Exposure controls

Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice.

Personal protection equipment

Respiratory protection No personal respiratory protective equipment normally required.

Hand protection No special measures required.

Eye protection Normally no eye protection necessary.

Skin and body protection No special measures required.

Thermal hazards

No special measures required.

Environmental exposure controls Prevent product from entering surface water or sewage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Light blue.
Odour	Characteristic.
Melting point/ freezing point:	0 °C - 100 °C
Boiling point or initial boiling point / range:	100 °C
Flammability:	Not determined.
Lower and upper explosion limit:	Not determined.
Flash point:	Not determined.
Auto-ignition temperature:	None.
Decomposition temperature:	Not determined.
pH:	<1
Kinematic viscosity:	Not determined.
Solubility:	Not determined.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	1.08
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

9.2. Other information

9.2.1 Information with regard to physical hazard classes	No information available.
9.2.2 Other safety characteristics	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	No information available.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	Exothermic reaction with strong bases.
10.4. Conditions to avoid	Burning produces obnoxious and toxic fumes.
10.5. Incompatible materials	None.
10.6. Hazardous decomposition products	None reasonably foreseeable.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	sulphamidic acid; sulphamic acid; sulfamic acid (CAS 5329-14-6) Dermal LD50 Rat > 2000 mg/kg (ECHA_API) Oral LD50 Rat = 1450 mg/kg (IUCLID)
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory / Skin Sensitisation	None.
Carcinogenicity	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.
Human experience	No data available.

11.2. Information on other hazards

Endocrine disrupting properties	No data available.
Other information	No data available.

SECTION 12: Ecological information

12.1. Toxicity	May change pH of waters. sulphamidic acid; sulphamic acid; sulfamic acid (CAS 5329-14-6) Ecotoxicity - Freshwater Fish - Acute Toxicity Data LC50 96 h Pimephales promelas 14.2 mg/L [static] (EPA)
12.2. Persistence and degradability	No data available.
12.3. Bioaccumulative potential	Bioaccumulation is unlikely.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	No information available.

12.6. Endocrine disrupting properties No information available.

12.7. Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products No information available.

Contaminated packaging Dispose of as unused product.

SECTION 14: Transport information

14.1. UN number or ID number Not applicable.

14.2. UN proper shipping name Not applicable.

14.3. Transport hazard class(es) Not applicable.

14.4. Packing group Not applicable.

14.5. Environmental hazards Not applicable.

14.6. Special precautions for user Not applicable.

14.7. Maritime transport in bulk according to IMO instruments Not applicable.

UN Model Regulations

ADR/RID Not regulated.

IMDG Not regulated.

IATA Not regulated.

Further Information None.

SECTION 15: Regulatory information

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

Regulatory Information Water contaminating class (WGK Germany) = 1.

sulphamidic acid; sulphamic acid; sulfamic acid (CAS 5329-14-6)

EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	Use restricted. See item 75.
EU - REACH (1907/2006) - List of Registered Intermediates	Present ([226-218-8])
EU - REACH (1907/2006) - List of Registered Substances	Present
Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS	Reg. no. 1266, hazard class 1 - slightly hazardous to water
15.2. Chemical safety assessment	Not required.

SECTION 16: Other information

Key or legend to abbreviations and acronyms	None.
Full text of phrases referred to under sections 2 and 3	H315: Causes skin irritation. H319: Causes serious eye irritation. H412: Harmful to aquatic life with long lasting effects.
Further information	Take notice of the directions of use on the label.
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.