

Ammonium sulfamate

**228745-1KG**

Version 2.1

Issuing date 02/27/2018

Revision Date 12/04/2023

Print Date 12/05/2023

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name : Ammonium sulfamate

Number : 00000020912

Recommended use of the chemical and restrictions on use : Laboratory chemicals

Manufacturer or supplier's details : Honeywell Specialty Chemicals Seelze GmbH  
Wunstorfer Straße 40  
Seelze, 30926  
Germany


For further information, please contact: : 1-800-368-0050  
+1-231-726-3171  
(Monday-Friday, 9:00am-5:00pm)

**In case of emergency call : Medical: 1-800-498-5701 or +1-303-389-1414**  
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**  
**In Japan: +(81)-345209637**

**2. HAZARDS IDENTIFICATION****Classification of the substance or mixture**

Classification of the substance or mixture : Acute toxicity, Category 4, Oral  
Short-term (acute) aquatic hazard, Category 1

**GHS Label elements, including precautionary statements**

Symbol(s) : 

Signal word : Warning

Hazard statements : Harmful if swallowed.  
Very toxic to aquatic life.

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Precautionary statements : **Prevention:**  
Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Avoid release to the environment.

**Response:**  
IF SWALLOWED: Call a POISON CENTER or doctor/  
physician if you feel unwell. Rinse mouth.  
Collect spillage.

**Disposal:**  
Dispose of contents/ container to an approved waste disposal  
plant.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Formula : H6N2O3S

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Ammonium sulfamate	7773-06-0	<=100.00 %
Ammonium sulfamate		

**4. FIRST AID MEASURES**

General advice : First aider needs to protect himself.

Inhalation : Remove to fresh air.  
If breathing is difficult, give oxygen.  
Use oxygen as required, provided a qualified operator is present.  
Call a physician.

Skin contact : Wash off with plenty of water.  
Remove and wash contaminated clothing before re-use.  
Call a physician if irritation develops or persists.

Eye contact : Rinse immediately with plenty of water, also under the eyelids,  
for at least 15 minutes.  
Call a physician if irritation develops or persists.

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Ingestion : Rinse mouth with water.  
Call a physician immediately.

Notes to physician : Treat symptomatically.

**5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder

Specific hazards during firefighting : Fire may cause evolution of:  
Sulphur oxides  
nitrogen oxides

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.

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

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Wear personal protective equipment.  
Evacuate personnel to safe areas.  
Ensure adequate ventilation.  
Avoid dust formation.  
Avoid breathing dust.  
Avoid contact with skin, eyes and clothing.

Environmental precautions : Prevent further leakage or spillage if safe to do so.  
Discharge into the environment must be avoided.  
Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up : Ventilate the area.  
Avoid dust formation.  
Sweep up and shovel into suitable containers for disposal.

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**7. HANDLING AND STORAGE****Handling**

Precautions for safe handling : Wear personal protective equipment.  
Use only in well-ventilated areas.  
Avoid dust formation.  
Avoid breathing dust.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

**Storage**

Conditions for safe storage, including any incompatibilities : Keep containers tightly closed in a dry, cool and well-ventilated place.

Further information on storage conditions : Store in original container.  
Keep in a dry place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Individual protection measures, such as personal protective equipment (PPE)**

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection : Latex gloves  
Gloves must be inspected prior to use.  
Replace when worn.

Eye protection : Safety glasses with side-shields

Skin and body protection : Lightweight protective clothing

Hygiene measures : When using, do not eat, drink or smoke.  
Wash hands before breaks and at the end of workday.  
Keep working clothes separately.  
Remove and wash contaminated clothing before re-use.

Protective measures : Ensure that eyewash stations and safety showers are close to

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the workstation location.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	: solid
Colour	: white
Odour	: No data available
Odour Threshold	: Note: No data available
pH	: 4.5 - 6.0 at 114.10 g/l, 25 °C
Melting point/range	: 131 - 135 °C
Boiling point/boiling range	: Note: No data available
Flash point	: Note: Not applicable
Evaporation rate	: Note: No data available
Lower explosion limit	: Note: Not applicable
Upper explosion limit	: Note: Not applicable
Vapour pressure	: Note: No data available
Vapour density	: Note: No data available
Density	: 1.00 g/cm <sup>3</sup>
Water solubility	: 114 g/l at 20 °C
Partition coefficient: n-octanol/water	: Note: Not applicable

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Ignition temperature : Note: No data available

Decomposition temperature : 320 °C

Viscosity, dynamic : Note: No data available

Viscosity, kinematic : Note: No data available

Molecular weight : 114.12 g/mol

**10. STABILITY AND REACTIVITY**

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Hazardous polymerisation does not occur.

Conditions to avoid : Exposure to moisture

Incompatible materials to avoid : Strong oxidizing agents  
Acids

Hazardous decomposition products : Sulphur oxides  
nitrogen oxides

**11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact, Ingestion

Acute oral toxicity : LD50: 2,000 mg/kg  
Species: Rat

Acute inhalation toxicity : Note: No data available

Acute dermal toxicity : Note: No data available

Skin corrosion/irritation : Note: No data available

Serious eye damage/eye irritation : Note: No data available

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Respiratory or skin sensitisation : Note: No data available

Germ cell mutagenicity : Note: No data available

Carcinogenicity : Note: No data available

Reproductive toxicity : Note: No data available

**12. ECOLOGICAL INFORMATION****Aquatic and ecotoxicity**

Toxicity to fish : LC50: 0.9 mg/l  
Exposure time: 96 h  
Species: Ictalurus punctatus (channel catfish)

Toxicity to daphnia and other aquatic invertebrates : Note: No data available

Toxicity to algae : Note: No data available

**Persistence and degradability**

Biodegradability : Note: The methods for determining biodegradability are not applicable to inorganic substances.

**Other adverse effects**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life.

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**13. DISPOSAL CONSIDERATIONS**

Disposal methods : In accordance with local and national regulations.

**14. TRANSPORT INFORMATION****ADR**UN/ID No. : UN 3077  
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S.

(AMMONIUM SULPHAMIDATE)

Class : 9  
Packing group : III  
Classification Code : M7  
Hazard Identification Number : 90  
Labels : 9**IATA**UN/ID No. : UN 3077  
Description of the goods : Environmentally hazardous substance, solid, n.o.s.  
(Ammonium sulphamidate)Class : 9  
Packing group : III  
Labels : 9  
Packing instruction (cargo  
aircraft) : 956  
Packing instruction : 956  
(passenger aircraft)  
Packing instruction : Y956  
(passenger aircraft)**IMDG**UN/ID No. : UN 3077  
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S.

(AMMONIUM SULPHAMIDATE)

Class : 9  
Packing group : III  
Labels : 9  
EmS Number 1 : F-A  
EmS Number 2 : S-F



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Marine pollutant : yes

Not regulated for transport when single and combination packagings are  $\leq$  5L for liquids or  $\leq$  5kg for solids per ADR SP 375, IMDG 2.10.2.7 and IATA SP A197.

## 15. REGULATORY INFORMATION

### National regulatory information

Substances Subject to be :  
Notified Names : Threshold Concentration: 1 % wt 20  
JP MSDSD

Substances Subject to be :  
Notified Names : Threshold Concentration: 1 % wt 20  
JP MSDSD

Substances Subject to be : Article 18  
Indicated Names : Threshold limits: 1 % wt 20  
JPISHL LR

Fire Service Law : Not relevant

Poisonous and Deleterious : Not relevant

Substances Control Law : Not relevant  
Act on Confirmation, etc. of : Not relevant  
Release Amounts of Specific  
Chemical Substances in the  
Environment and Promotion  
of Improvements to the  
Management Thereof

### Other international regulations

#### Notification status

US. Toxic Substances : On TSCA Inventory  
Control Act

Australia. Inventory of : On the inventory, or in compliance with the inventory

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Industrial Chemicals (AIIC),  
as amended

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL) : All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI) : On the inventory, or in compliance with the inventory

Philippines. Inventory of Chemicals and Chemical Substances (PICCS) : On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC) : On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI) : On the inventory, or in compliance with the inventory

### 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 1	1
Flammability	: 1	1
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

#### Further information

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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. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group