

Ammonium sulfamate**09960-100G**

Version 2.1

Revision Date 01/31/2023

Print Date 05/11/2023

SECTION 1. IDENTIFICATION

Product name : Ammonium sulfamate

Number : 000000020912

Product Use Description : Laboratory chemicals

Manufacturer or supplier's details : Honeywell International Inc.
1953 South Harvey Street
Muskegon, MI 49442

For more information call : 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**
:
: (24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : solid

Color : white

Odor : No data available

Classification of the substance or mixture

Classification of the substance : Acute toxicity, Category 4, Oral
or mixture

GHS Label elements, including precautionary statements

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Symbol(s)

:



Signal word

: Warning

Hazard statements

: Harmful if swallowed.

Precautionary statements

: **Prevention:**

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Response:

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

Disposal:

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

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula

: H₆N₂O₃S

Chemical nature

: Substance

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

SECTION 4. FIRST AID MEASURES

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

Notes to physician

- Most important symptoms/effects, acute and delayed : No information available.
- Indication of immediate medical attention and special treatment needed, if necessary : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
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.

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SECTION 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. |

SECTION 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. |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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- Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.
- Engineering measures : Use with local exhaust ventilation.
- Eye protection : Safety glasses with side-shields
- Hand protection : Latex gloves
Gloves must be inspected prior to use.
Replace when worn.
- Skin and body protection : Lightweight protective clothing
- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.
- 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.

Exposure Guidelines

Components	CAS-No.	Value	Control parameters	Update	Basis
Ammonium sulfamate	7773-06-0	TWA : Time weighted average	5 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Respirable fraction.			

Ammonium sulfamate	7773-06-0	TWA : Time weighted average	10 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Total dust.			

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Ammonium sulfamate	7773-06-0	PEL : Permissible exposure limit	5 mg/m3	02 2006	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
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Further information	:	Form of exposure : Respirable fraction.			
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Ammonium sulfamate	7773-06-0	PEL : Permissible exposure limit	15 mg/m3	02 2006	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
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Further information	:	Form of exposure : Total dust.			
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Ammonium sulfamate	7773-06-0	TWA : Time weighted average	10 mg/m3	2008	ACGIH:US. ACGIH Threshold Limit Values, as amended
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Ammonium sulfamate	7773-06-0	REL : Recommended exposure limit (REL):	5 mg/m3	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards, as amended
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Further information	:	Form of exposure : Respirable.			
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Ammonium sulfamate	7773-06-0	REL : Recommended exposure limit (REL):	10 mg/m3	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards, as amended
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Further information	:	Form of exposure : Total			
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: solid
Color	: white
Odor	: No data available
Odor 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
Vapor pressure	: Note: No data available
Vapor density	: Note: No data available
Density	: 1.00 g/cm ³
Water solubility	: 114 g/l at 20 °C

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Partition coefficient: n-octanol/water	: Note: Not applicable
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

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Exposure to moisture
Incompatible materials	: Strong oxidizing agents Acids
Hazardous decomposition products	: Sulphur oxides nitrogen oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50: 2,000 mg/kg Species: Rat
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Acute inhalation toxicity : Note: No data available

Acute dermal toxicity : Note: No data available

Skin irritation : Note: No data available

Eye irritation : Note: No data available

Sensitisation : Note: No data available

Genotoxicity in vitro : Note: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

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

Elimination information (persistence and degradability)

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

Further information on ecology

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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Very toxic to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Observe all Federal, State, and Local Environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT UN/ID No. : UN 3077
Proper shipping name : Environmentally hazardous substances, solid, n.o.s. (Ammonium sulphamidate)
Class : 9
Packing group : III
Hazard Labels : 9

IATA UN/ID No. : UN 3077
Description of the goods : Environmentally hazardous substances, solid, n.o.s. (Ammonium sulphamidate)
Class : 9
Packaging group : III
Hazard Labels : 9
Packing instruction (cargo aircraft) : 956
Packing instruction (passenger aircraft) : 956
Packing instruction (passenger aircraft) : Y956

IMDG UN/ID No. : UN 3077
Description of the goods : Environmentally hazardous substances, solid, n.o.s. (AMMONIUM SULPHAMIDATE)
Class : 9
Packaging group : III
Hazard Labels : 9
EmS Number : F-A, S-F
Marine pollutant : yes

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Not regulated for transport when single and combination packagings are <5L for liquids or <5kg for solids per ADR 2.2.9.2.10, IMDG 2.10.3 and IATA SP A197).

SECTION 15. REGULATORY INFORMATION**Inventories**

US. Toxic Substances Control Act : On TSCA Inventory

Australia. Inventory of Industrial Chemicals (AIIC), as amended : On the inventory, or in compliance with the inventory

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

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National regulatory information

- SARA 302 Components** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- SARA 313 Components** : The following components are subject to reporting levels established by SARA Title III, Section 313:
: Ammonium sulfamate 7773-06-0
- SARA 311/312 Hazards** : Acute Health Hazard
- CERCLA Reportable Quantity** : 5000 lbs
- California Prop. 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

- Massachusetts RTK** : Ammonium sulfamate 7773-06-0
- New Jersey RTK** : Ammonium sulfamate 7773-06-0
- Pennsylvania RTK** : Ammonium sulfamate 7773-06-0

SECTION 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.

Previous Issue Date: 01/02/2019

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group