

## AMMONIUM SULFAMATE

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** Ammonium Sulfamate  
**Product Code:** 236  
**CAS#:** 7773-06-0  
**Chemical Formula:**  $H_6N_2O_3S$   
**Molecular Formula:** 144.125

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Composition:**  
**Name:** Ammonium Sulfamate  
**Chemical Formula:**  $H_6N_2O_3S$   
**Molecular Formula:** 144.125

### SECTION 3: HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**  
**Classification according to Regulation (EC) No 1272/2008**  
Acute toxicity, Oral (Category 4)  
Acute aquatic toxicity (Category 1)  
**Other hazards** - None

### SECTION 4: FIRST AID MEASURES

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.  
**In case of skin contact:** Wash off with soap and plenty of water.  
**In case of eye contact:** Flush eyes with water as a precaution.  
**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water

### SECTION 5: FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Special powder against metal fire Dry sand Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
**Special hazards arising from the substance or mixture:** Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides  
**Advice for firefighters:** Wear self contained breathing apparatus for firefighting if necessary.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Do not flush with water. Keep in suitable, closed containers for disposal. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations.



## SECTION 7: HANDLING AND STORAGE

**Precautions:** Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition

- No smoking. Take measures to prevent the buildup of electrostatic charge.

**Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store in original container.

Do not store near combustible materials. Keep in a cool place away from acids. Keep in a cool place away from bases.

Keep in a cool place away from oxidizing agents.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eye/face protection:** Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	:	White crystal powder
Odor	:	Not available
Color	:	Not available
Molecular Weight	:	Not available
pH	:	Not available
Boiling Point	:	Not available
Melting Point	:	Not available
Critical Temperature	:	Not available
Specific Gravity	:	Not available
Vapor Pressure	:	Not available
Vapor Density	:	Not available
Volatility	:	Not available
Odor Threshold	:	Not available
Water/Oil Dist. Coeff.	:	Not available
Ionicity (in Water)	:	Not available
Dispersion Properties	:	Not available
Solubility	:	Soluble in water

## SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** Stable under recommended storage conditions

**Instability Temperature:** Not available

**Conditions of Instability:** Not data available

**Incompatibility with various substances:** Strong acids

**Special Remarks on Reactivity:** Not available

## SECTION 11: TOXICOLOGICAL INFORMATION

**Acute toxicity:** LD50 Oral - rat - 2.000 mg/kg

**Skin corrosion/irritation:** Not available

**Serious eye damage/eye irritation:** Not available

**Respiratory or skin sensitization:** Not available



**Carcinogenicity:** IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity:** Not available.

**Specific target organ toxicity - single exposure:** Not available.

**Specific target organ toxicity - repeated exposure:** Not available.

**Aspiration hazard:** Not available

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity to fish:** LC50 - Ictalurus punctatus – 0.9 mg/l - 96 h

**Persistence and degradability:** Not available.

**Bioaccumulative potential:** Not available.

**Mobility in soil:** Not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## SECTION 14: TRANSPORT INFORMATION

**UN number:**

**ADR/RID:** 3077

**IMDG:** 3077

**IATA:** 3077

**UN proper shipping name**

**ADR/RID:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ammonium Sulphamidate)

**IMDG:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ammonium Sulphamidate)

**IATA:** Environmentally Hazardous Substance, Solid, N.O.S. (Ammonium Sulphamidate)

**Transport hazard class(s):**

**ADR/RID:** 9

**IMDG:** 9

**IATA:** 9

**Packaging group:**

**ADR/RID:** III

**IMDG:** III

**IATA:** III

**Environmental hazards:**

**ADR/RID:** yes

**IMDG Marine pollutant:** yes

**IATA:** yes

## SECTION 15: REGULATORY INFORMATION

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

Not available.

**Chemical Safety Assessment:** Not available

## SECTION 16: OTHER INFORMATION

**References: Full text of H AND R-Statements:** Not available

**Other Special Considerations:** Not available.

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