

MATERIAL SAFETY DATA SHEET**Product Name:** Ammonium metavanadate**CAS No.:** 7803-55-6**Version:** 0**1. Identification**

Product Code : 93024
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2. Hazards Identification**Hazard classification**

Acute toxicity, Oral : Category 3
Acute toxicity, Inhalation : Category 1
Skin irritation : Category 2
Eye irritation : Category 2
Specific target organ toxicity -
single exposure : Category 3

Labels elements

Hazard symbol

**Signal word** : Danger**Hazard statement** : Toxic if swallowed.
Causes skin irritation.
Causes serious eye irritation.
Fatal if inhaled.

May cause respiratory irritation.

Precautionary statement : Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wear respiratory protection.
IF SWALLOWED: Immediately call a POISON
CENTER/doctor.IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue
rinsing.

Immediately call a POISON CENTER/doctor.

3. Composition/information on ingredients

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Ingredient	:	Ammonium trioxovanadate Ammonium (meta)vanadate
CAS No.	:	7803-55-6
Percent	:	NLT 98.0%
Formula	:	H4NO3V
Molecular Weight	:	116.98g/mol

4. First Aid Measures**Description of first aid measures**

General advice	:	Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin contact	:	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Swallowed	:	Get medical advice/attention if you feel unwell. Rinse mouth.
Most important symptoms and effects, both acute and delayed	:	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed Treatment	:	No data available

5. Fire fighting measures**Extinguishing media**

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special hazards arising from the substance or mixture	:	Ammonia, Nitrogen oxides (NOx), Vanadium/vanadium oxides Nitrogen oxides (NOx), Sulphur oxides, Borane/boron oxides, Vanadium/vanadium oxides
Advice for firefighters	:	Wear self contained breathing apparatus for firefighting if necessary.

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- Personal precautions, protective equipment and emergency procedures** : Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Environmental precautions** : Do not let product enter drains.
- Methods and materials for containment and cleaning up** : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive.

8. Exposure Controls / Personal Protection

- Exposure limit** : No data available
- Appropriate engineering controls** : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
- Personal protective equipment**
- Respiratory protection : Dust respirator. Follow local and national regulations
- Hand protection : Protective gloves.
- Eye protection : Safety glasses. A face-shield, if the situation requires.
- Skin and Body Protection : Protective clothing. Protective boots, if the situation requires.

9. Physical and Chemical Properties

- Appearance** : White to tan coloured powder
- Odor** : No data available
- pH** : No data available
- Melting point/freezing point** : No data available
- Initial boiling point and boiling range** : No data available
- : - No data available
- Flash Point**
- Vapor pressure** : No data available
- Vapor density** : No data available
- Relative density** : 2.32 g/cm³ at 25 °C

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Solubility in water : No data available
Solubility (other) : No data available

10. Stability and Reactivity

Reactivity : No data available
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : No data available
Conditions to avoid : No data available
Incompatible materials : Strong acids and oxidizing agents
Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Ammonia, Nitrogen oxides (NO_x), Vanadium/vanadium oxides

11. Toxicological Information**Information on toxicological effects**

Acute toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Germ cell mutagenicity : No data available
Carcinogenicity
IARC : No data available
NTP : No data available
OSHA : No data available
Reproductive toxicity : No data available
Route of Exposure : No data available
Signs and Symptoms of Exposure : No data available

12. Ecological Information

Toxicity : No data available
Persistence and degradability : No data available
Bioaccumulative potential : No data available
Mobility in soil : No data available.

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	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	2859	AMMONIUM METAVANADATE	6.1	II	NO
IMDG	2859	AMMONIUM METAVANADATE	6.1	II	NO
IATA	2859	AMMONIUM METAVANADATE	6.1	II	NO

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date** :01/02/2014**Version** : 0

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