

MATERIAL SAFETY DATA SHEET

Product Name: Yttrium(III) nitrate hexahydrate

CAS No.: 13494-98-9

Version: 0

1. Identification

Product Code : 93126
Company Name : Advent Chembio Private Limited
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Company Phone Number : 022-27690837

2. Hazards Identification**Hazard classification**

Oxidizing solids : Category 2
Eye irritation : Category 2
Skin irritation : Category 2
Specific target organ toxicity - single exposure : Category 3

Labels elements

Hazard symbol



Signal word : Danger
Hazard statement : May intensify fire; oxidizer.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
Precautionary statement : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep/Store away from clothing/ combustible materials.Keep only in original container.Avoid release to the environment.Wear protective gloves/ protective clothing/ eye protection/ face protection.If skin irritation or rash occurs: Get medical advice/ attention.
Supplemental Hazard Statements : None

3. Composition/information on ingredients

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Ingredient	:	Dibenzoyl peroxide Benzoyl peroxide
CAS No.	:	13494-98-9
Percent	:	Min 99.8%
Formula	:	Y(NO ₃) ₃ •6H ₂ O
Molecular Weight	:	383.01 (274.92anhy)

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	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
Eye contact	:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Swallowed	:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
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	:	No data available

5. Fire fighting measures**Extinguishing media**

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	:	Nitrogen oxides (NO _x), Yttrium oxides
Advice for firefighters	:	Wear self contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency	:	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate
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- procedures** : ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
- Environmental precautions** : Do not let product enter drains.
- Methods and materials for containment and cleaning up** : Sweep up and shovel. \20 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). Keep in suitable, closed containers for disposal. \20 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 (see section 13).

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. Keep away from sources of ignition - No smoking. Keep away from heat and sources of ignition.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic

8. Exposure Controls / Personal Protection

- Exposure limit** : No data available
- Appropriate engineering controls** : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- Personal protective equipment**
- Respiratory protection : Air-purifying respirators
- Hand protection : Handle with gloves
- Eye protection : Safety glasses
- Skin and Body Protection : Lab coat.

9. Physical and Chemical Properties

- Appearance** : White powder, crystal and or Chunk(s)
- Odor** : No data available
- pH** : No data available
- Melting point/freezing point** : No data available
- Initial boiling point and boiling range** : No data available
- Flash Point** : No data available
- Vapor pressure** : No data available
- Vapor density** : No data available
- Relative density** : 2.682 g/mL 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 reducing agents, Strong acids
Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Nitrogen oxides (NO_x), Yttrium 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.
Other adverse effects : No data available.

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- Disposal instructions** : Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated packaging** : Dispose of as unused product.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	1477	NITRATES, INORGANIC, N.O.S.	5.1	II	No
IMDG	1477	NITRATES, INORGANIC, N.O.S.	5.1	II	No
IATA	1477	NITRATES, INORGANIC, N.O.S.	5.1	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 :**18/05/2017**Version** : 0

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