

Date of issue : 10/01/2020

Revision date : -

SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company

Trade name : **LEOTEX N-18F-192-3**
 Distributor's Name : **PT. HARAP INDO ANUGRAH BERSATU**
 Street : Caringin No. 230 – 232
 BANDUNG, INDONESIA
 Tel. : (022) 6041225
 Contact person : info@harapindo.com
 Recommended use : Flame Retardant Agent

2. Hazard identification

GHS classification

Physical hazards : Not classified
 Health hazards : Acute toxicity (oral), Category 4
 Skin corrosion / irritation, Category 2
 Serious eye damage / eye irritation, Category 2
 Respiratory sensitization, Category 4
 Environmental hazards : Not classified

Hazards not mentioned above are not applicable or there is no data is available.

Label element

Hazard pictograms



Signal word : Warning

Hazard statements : Harmful if swallowed (H302)
 Causes skin irritation (H315)
 Causes serious eye irritation (H319)
 Harmful if inhaled (H332)

Precautionary statements

[Prevention] : Wash thoroughly after handling. (P264)
 [Response] : IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
 If skin irritation occurs: Get medical advice/attention (P332+P313)
 If eye irritation persists: Get medical advice/attention (P337+P313)
 [Storage] : Store locked up. (P405)
 [Disposal] : Dispose of contents/ container in accordance with local authority requirements (P501)

3. Composition/information on ingredients

Distinction of substance or mixture :

Name	Concentration	CAS No
Inorganic compound	Confidential	Confidential
Water	Confidential	7732-18-5

4. First aid measures

First-aid measures after inhalation	:	If you feel unwell, seek medical advice.
First-aid measures after skin contact	:	Rinse immediately with plenty of water.
First-aid measures after eye contact	:	IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	:	If swallowed, seek medical advice immediately and show this container or label.
Personal Protection in First Aid and Measures	:	Wear suitable protective clothing, gloves and eye or face protection.
Notes to physician	:	No information available.

5. Fire fighting measures

Extinguishing agents - fire fighting instructions	:	Extinguish with Powder. Foam. Carbon dioxide (CO ₂). Dry sand. Water spray.
Unsuitable extinguishing media	:	No information available
Fire hazard	:	No information available
Specific fire fighting	:	No information available
Personal protection (Emergency response)	:	Use protective equipment appropriate for surrounding materials.

6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures	:	Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental precautions	:	Do not discharge onto the ground or into drainage system
Methods and Equipment for Containment and Cleaning up	:	Remove with liquid-absorbing materials. (sand, sawdust, peat, etc.) Place in suitable container.
Prevention Measures for Secondary Accidents	:	No information available

7. Handling and storage

Handling

Technical measures	:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Precautions for safe handling	:	Avoid contact with skin and eyes. Wear protective gloves/protective clothing/ eye protection/ face protection. Wash thoroughly after handling. Prevent damage to the containers

Storage precautionary statements

Storage conditions	:	Store in a cool place. Keep container tightly closed. Store locked up.
Material used in packaging/containers	:	No information available.

8. Exposure controls / Personal protection equipment

Exposure limits

ACGIH TLV	Not established
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Appropriate engineering controls	:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.
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Respiratory protection	:	Respirators
Hand protection	:	Use protective gloves
Eye protection	:	Wear goggles/face shield.
Skin and body protection	:	Protection suit must be worn.
Other protection	:	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measure	:	Promptly remove any clothing that becomes contaminated.

9. Physical and chemical properties

Appearance	:	Transparent liquid
Odour	:	No special odor
pH	:	7.5 - 9.5 (100% Solution)
Melting / freezing point	:	No data available
Viscosity	:	No data available
Boiling point	:	Approx. 100 °C
Flash point	:	None
Decomposition temperature	:	No data available
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Specific gravity density	:	No data available
Solubility	:	Soluble in cold water
Log Pow	:	No data available
Explosive limits (g/m ³)	:	No data available

10. Stability and reactivity

Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No information available.
Conditions to avoid	:	No information available
Incompatible materials	:	No information available
Hazardous decomposition products	:	No information available

11. Toxicological information

Acute toxicity (oral)	:	Harmful if swallowed
Acute toxicity (dermal)	:	No information available
Skin corrosion/irritation	:	Causes skin irritation Estimated from the data of each ingredients.
Serious eye damage/irritation	:	Causes serious eye irritation Estimated from the data of each ingredients.
Respiratory or skin sensitisation	:	Harmful if inhaled
Germ cell mutagenicity	:	No information available
Carcinogenicity	:	No information available
Reproductive toxicity	:	No information available
Specific target organ toxicity (single exposure)	:	No information available
Specific target organ toxicity (repeated exposure)	:	No information available
Aspiration hazard	:	No information available

12. Ecological information

Ecotoxicity	:	Not regarded as dangerous for the environment.
Fish Toxicity(LC50)	:	No data (Red killifish, 96hrs. OECD TG203)
Mobility	:	The product is soluble in water.
Persistence and degradability		
Biochemical oxygen demand (BOD)	:	No data (Coulometer method, 0.1% water solution)
Chemical oxygen demand (COD)	:	No data (JIS K-0102, 0.1% water solution)
Persistence and degradability	:	No information available
Biodegradation	:	No data (OECD 302B)

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Bioaccumulative potential	:	No information available
Ecology - soil	:	No information available
Ozone	:	None of the chemical components of this product are listed in the Annex of Montreal Protocol.

13. Disposal considerations

In accordance with local regulation, take to special waste incineration plant.

Dispose of contents/ container in accordance with local authority requirements.

14. Transport information

UN number	:	Not regulated by IMDG / IATA
UN proper shipping name	:	Not regulated by IMDG / IATA
Class	:	Not regulated by IMDG / IATA
Packing group	:	Not regulated by IMDG / IATA
Marine pollutant	:	Not regulated by IMDG / IATA

15. Regulatory information

We can not check up the regulatory information in regard to the substances in your country or region.

Therefore we request this matter would be filled by your responsibility.

Follow all regulations in your country.

16. Other information

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

The classification is based on the National Institute of Technology and Evaluation (NITE).