

NPK 12-12-36+TE MSDS

1. PRODUCT IDENTIFICATION

Product: **NPK 12-12-36+TE water soluble fertilizer**
State: Powder

MANUFACTURER
Katalyst Chemical Fertilizers Industry LLC

2. Composition / Information on substance:

Classification: Nonhazardous
Risk Phrases: Not applicable
Safety Phrases: Not applicable
Hazardous Components: None

3. Hazards Identification

Precautionary Labelling

Health – 1 slight

Flammability – 0 none

Reactivity – 1 slight

Contact – 0 none

Hazard ratings are 0 to 4 (0= no hazard; 4=extreme hazard)

Avoid contact with eyes, skin, and clothing. Keep in tightly closed container. Wash thoroughly after handling. In case of fire, soak with water. In case of spill, sweep and remove. Flush spill area with water.

4. First Aid Measures

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact:

Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.

Eye Contact:

Wash thoroughly with running water. Get medical advice if irritation develops.

5. Fire Fighting Measures

Fire Extinguishing Media:

Product itself is not combustible and non-explosive, adapt fire extinguishing measures to surrounding areas.

Special Information:

Use self-contained breathing apparatus.

Do not inhale explosion and/or combustion gases.

Wear protective clothing.

6. Accidental release measures:

Personal Precautions: Wear suitable protective clothing. Environmental Precautions: Avoid creating dust. Methods for Cleaning: Vacuum or sweep up and place into approved containers for later disposal.

7. Handling & storage:

Handling: Avoid breathing dust. Prevent contact with eyes or skin. Wear suitable protective clothing. Storage: Store under cool dry conditions.

Expose controls / Personal protection:

Exposure Limits: Not known. Personal Protection Respiratory Protection: Approved NIOSH/MSHA dust respirator should be used if airborne particles are generated when handling the material. Hand Protection: Rubber or plastic gloves. Eye Protection: Safety glasses/goggles. Skin Protection: Overalls.

8. Exposure Controls/Personal Protection:

National occupational exposure limits not applicable Skin and body protection lightweight protective clothing. Hand protection rubber or plastic gloves. Eye protection safety glasses.

9. Physical and Chemical Properties:

Form: Powder, Color: Red/Pink.

Decomposition temperature :150°C (-6 H₂O), 200°C (-7H₂O).

pH :4-7 (10%)

Solubility in water :100% (20°C)

10. Stability & reactivity:

Stability: Stable under normal conditions of handling and storage. Conditions to Avoid: High temperature, moisture. Materials to Avoid: None. Hazardous Decomposition. Products: None.

11. Toxicological information:

Effects on exposure: Dust from this product may cause irritation of the respiratory tract. If ingested in large amounts nausea, vomiting and diarrhea are probable. May cause eye irritation. Repeated or prolonged skin contact may cause irritation. Human Oral LDLO (mg/kg): No data available. Carcinogenicity: No evidence of carcinogenic properties. Mutagenicity: No evidence of mutagenic effects. Reproductive Effects: None identified.

12. Ecological information:

This material will promote algae growth and may degrade water quality. May act as a plant nutrient and precipitate heavy metals from aquatic systems.

Dispose consideration:

Dispose of contaminated products and material used in cleaning up spills or leaks in a manner approved for this material. Review national and local government requirements prior to disposal.

Environmental Toxicity:

No information found.

13. Disposal Considerations

Steps to be taken in the event of a spill or discharge: Carefully place container and cover; remove from area. Flush spill area with water.

Disposal procedure: Dispose in accordance with all applicable country and local environmental regulations.

14. Transport Information

UN classification

Not classed ie considered non-hazardous material according to the UN Orange Book and following international transport codes e.g. AIATA (AIR), RID (rail), ADR (road) and IMDG (sea).

15. REGULATORY INFORMATION

1. Immediate (Acute) Health Effects: No
 2. Delayed (Chronic) Health Effects: No
 3. Fire Hazard: No
 4. Sudden Release of Pressure Hazard: No
 5. Reactivity: No
- SECTION 313 (40 CFR 372): NONE

Please refer to any federal, state and local regulations.

WHMIS:

Compound fertilizers and not classified, i.e. considered non-hazardous material

16. OTHER INFORMATION

Product use:

Agricultural use

Revision Information

No Changes

Disclaimer:

Katalyst Chemical Fertilizers Industry LLC provides the information contained here in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a professionally trained person using product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

This information was last updated on May 19, 2023. We have tried to make it as accurate and useful as possible, but cannot take responsibility for its use, misuse, or accuracy. We have not verified this information and cannot guarantee that it is up to date.

**** End of MSDS Document ****