

ACCELERATOR NT

General Statement

It is a chloride free and high-performance accelerating admixture based on selected organic polymers. It disperses the fine particles in the concrete mix, enabling the water content of the concrete to perform more effectively. The increased workability and cohesion lead to high performance concrete. This GPS safety summary is only applicable to the product mentioned in section 2.

Chemical Identification

▶ Products Name

ACCELERATOR NT

▶ Chemical Identity

A blend of Calcium nitrate with thiocyanate

Uses and Applications

It is specifically designed to give increased working life to fresh concrete. It is compatible with all the mineral admixtures like microsilica, flyash and GGBS.

Physical / chemical properties

Property	Value
Physical State	Light Yellow to Dark Yellow Liquid
Water solubility	Soluble
pH Range	7.5 – 9.5
Chloride Content	Nil
Air Entrainment	Approx. 1% additional air is entrained

Health Effects

The Product can cause serious eye damage and it is harmful if swallowed, inhaled or in contact with skin.

Environmental Effects

The Polymer is harmful to aquatic life and not expected to be readily biodegradable. Do not allow undiluted product or large quantities of it to reach water bodies.

Exposure

▶ Human Health

Long term exposure to the product can be harmful, hence avoid any contact with chemical. Handle in accordance with good industrial hygiene and safety practice.

▶ Environment

According to GHS/CLP regulation this polymer is harmful for the Fish. It is extremely hazardous for water. Do not allow the product to reach any water body.

Risk Management Recommendations

Direct contact with the material should be handled while wearing proper PPEs. All personnel should be adequately trained for general handling of chemicals. Ensure adequate ventilation & observe the usual precautions for handling chemicals. Take precautionary measures against electrostatic loading. Store in a cool enclosed place. Wash hands & skin following contact. If the product gets into your eyes, rinse eyes thoroughly for 15 minutes with tap water and seek medical attention, consult the doctor immediately.

Accidental Release Measures

▶ Spill Containment

Avoid spills and prevent material from entering water bodies.

▶ Clean-up Procedure

Use protective equipment during clean-up. Use absorbent like sand or absorbent materials, saw dust, waste cotton. Dispose of in accordance with local regulation.

Regulatory Information/Classification and Labelling

▶ Regulatory Compliance

Product is compliant with GHS (India)

Classification and Labelling

GHS/CLP Classification	Oxidizing Liquids Category 2 Acute Toxicity – Oral Category 4 Acute Toxicity – Dermal Category 4 Acute Toxicity – Inhalation Category 4 Serious eye damage Category 1 Aquatic Chronic Category 3
Hazard Pictogram	 
Signal Word	Danger
Hazard Statement	H272 May intensify fire; oxidizer. H302 Harmful if swallowed. H312 Harmful in contact with skin H332 Harmful if inhaled H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects
Precautionary Statements	Keep/Store away from clothing/.../combustible materials IF INHALED: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Conclusion

Accelerator NT are Admixtures used in Concrete Industry. Workers handling this product must use protective gear and facilities must implement safety protocols due to its hazardous properties. Risk management measures should be selected and applied to control risk of exposure. Also, this product has no supported use in direct consumer products.

Contact Information Within Company

M/s. Thermax Limited, Chemical Division, 97-E, General Block, MIDC Industrial Area, Bhosari, Pune 411 026 [India]
Tel: 00 91 20 67156900/ 91 20 67156901, Off. No.: +91 20 67156900/6901