

MATERIAL SAFETY DATA SHEET

1) Identification of the substance/Preparation and Company

Product Name Rapid-Set Accelerator
Use: Accelerator for adhesive

Supplier: EnviroStik Ltd,
Airfield Industrial Estate
Hixon
Stafford
ST18 OPF
England
Tel: (01889) 271751

2) Hazards Identification

Harmful if swallowed. Toxic: danger of serious damage to health by prolonged exposure if swallowed.
Irritating to eyes.
Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.
May impair fertility.
May cause harm to the unborn child.
Possible risk of irreversible effects.

3) Composition/Information on Ingredients

Organometallic compound solution in chlorinated paraffin carrier

Hazardous components

Chlorinated paraffin	Dibutyltin dilaurate
Concentration [wt.-%]: > 90	Concentration [wt.-%]: <10
CAS-No.: 63449-39-8	CAS-No.: 77-58-7
Classification: No specific hazard	Classification: T, Xn, N R22, R36, R48/25, R50/53, R60, R61, R68

4) First Aid Measures

Symptoms

Inhalation: High concentration may cause irritation.

Skin Contact: Slight irritation.

Eye Contact: Slight irritation.

Ingestion: Large doses may upset stomach.

Actions

General advice: Soiled, soaked clothing and shoes must be immediately removed, decontaminated and disposed of.

If inhaled: Remove from exposure source. Rest and keep warm or if recovery is not rapid seek medical attention.

In case of skin contact: Drench skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation persists seek medical attention.

In case of eye contact: Irrigate thoroughly with water for at least 10 minutes, prising open eyelids to ensure efficient washing. All eye injuries from chemicals should be seen by a doctor.

If swallowed: Wash out mouth with water. Do not induce vomiting or allow patient to swallow mouthwash. Seek medical help if patient feels unwell.

5) Fire Fighting Measures

Suitable extinguishing media: Water mist, foam, carbon dioxide and dry powder.

Exposure Hazards: Hydrogen chloride may be formed above 200 C. Metal oxides may be formed.

Protection of Fire-Fighters: Wear self contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.

6) Accidental Release Measures

Personal Precautions: Wear appropriate P.P.E. (see section 8). Spillages may be slippery. Mark out contaminated area with signs and prevent access to unauthorised personnel.

Environmental Precautions: Do not allow material to enter drains, sewers or water courses. Contain the spillage using bunding.

Clean up Procedures: Absorb material into dry earth, sand or other suitable absorbent material. Transfer to suitable containers and hold for waste disposal.

Additional advice: For further disposal measures see section 13.

7) Handling and Storage

Handling Requirements: Ensure there is good general ventilation. Avoid contact with eyes and skin.

Storage Conditions: Store in cool, well ventilated area in original containers. Keep tightly closed.

8) Exposure Controls/Personal Protection

Engineering Measures: Ensure there is sufficient ventilation of the area.

Respiratory Protection: Self contained breathing apparatus must be available in case of emergency. Type approved for acidic organic vapour mists.

Hand Protection: Protective gloves.

Eye Protection: Safety goggles.

Skin Protection: Overalls and boots. Always wash out thoroughly after handling chemicals.

9) Physical and Chemical Properties*

Appearance: Pale amber liquid

Odour: Low

Viscosity: Low viscosity

Relative Density: ca. 1.20@ 25°C

Solubility in Water: Insoluble

Solubility in Solvents: Soluble in most aromatic hydrocarbons, chlorinated solvents, esters and ketones

Flash Point: >178°C

Boiling Point: >200°C. Decomposes below boiling point

Further information: The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data.

10) Stability and Reactivity

Stability: Stable under normal conditions.

Known Hazardous Reactions: Can react with alkali metals and alkaline earth metals with a strong affinity for chlorides. Can react with iron, zinc and aluminium at high temperatures, leading to decomposition. Can soften or swell most rubbers. .

Conditions to Avoid: Strong oxidising agents as for any organic compound. Keep away from direct sunlight.

Hazardous Decomposition Products: Prolonged heating above 70°C or heating above 200°C for short periods of time may result in decomposition and liberation of hydrogen chloride.

11) Toxicological Information

Butyltin compounds hydrolyse (in the stomach) to Butyltin Chlorides.
Chronic toxicity of Dibutyltin Chlorides – Acceptable daily intake TDI – 0.1 microgramme per kilogramme body weight per day as tin.

EU Classification of Dibutyltin compounds – reproductive toxicity category 2 (R60-61), mutagenic category 3 (R68), Chronic Toxicity (R48/25)

12) Ecological Information

Mobility: Essentially insoluble product with low volatility.

Degradability: Evidence of partial hydrolysis in water and slow degradation in soil and water.

Bioaccumulative Potential: Product has a tendency to bioaccumulate.

Aquatic Toxicity: Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

13) Waste Disposal

Substance: Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

Container/Packaging: As for Substance.

14) Transport Information

UN number:	3082
ADR/RID - Road/Rail:	Class 9, Item 11 (c)
ICAO/IATA - Air:	Class 9, Packaging Group III
IMO/IMDG - Sea:	Class 9, Packaging Group III. Marine Pollutant Environmentally hazardous substance, liquid n.o.s. dibutyltin dilaurate

15) Regulatory Information

Labelling in accordance with EC Directives:

Hazard Symbols: T - Toxic
N - Dangerous for the environment

Contains: Dibutyltin dilaurate

Risk Phrases:

R22: Harmful if swallowed

R36: Irritating to eyes.

R48/25: Toxic: danger of serious damage to health by prolonged exposure if swallowed.

R50/53: Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

R60: May impair fertility

R61: May cause harm to the unborn child

R68: Possible risk of irreversible effects

Safety Phrases:

S24: Avoid contact with skin.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)

S53: Avoid exposure – obtain special instructions before use

S61: Avoid release to the environment. Refer to instructions/safety data sheet.

16) Other Information

This product should be used as directed by EnviroStik Ltd. For further information consult the application data sheet.

This Safety Data Sheet was compiled according to Regulation (EU) No. 1907/2006 using the current safety information supplied by the distributors of the component materials. This leaflet may contain inappropriate information under particular conditions of use.

* These figures are typical and do not constitute a specification