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SDS No. E.1.2.1

## Section 1 – Product Identification

IDENTITY: *Product Name:* **InjectProECO-CUT Accelerator**  
*Chemical Characterization:* Hexadecyldimethylamine  
*Product Use Description:* Accelerant for PU injection resin

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Recommended use of the chemical and restriction on use: Refer to the product technical data sheet.  
For industrial and professional users.

## Section 2 – Hazards Identification

### GHS Classification:

Skin Corr. 1B H314 Causes severe skin burns and eye damage.  
Eye Dam. 1 H318 Causes serious eye damage.  
Acute Tox. 4 H302 Harmful if swallowed.

### GHS Label element:

#### Hazard Pictograms



GHS05

GHS07

Signal Word: **Danger**

#### Hazard Statements:

H302 Harmful if swallowed  
H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage

#### Precautionary Statements:

##### Prevention:

P260 Do not breathe dust/fume/gas/mist/vapors/spray  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P282 Wear face shield/eye protection  
P264 Wash ... thoroughly after handling  
P270 Do not eat, drink or smoke when using this product

##### Response:

P302 + P362 + P353 IF ON SKIN: P362 Take off contaminated clothing and wash before reuse. Rinse skin with water/shower  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
P330 Do NOT induce vomiting  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P363 Wash contaminated clothing before reuse.

**Storage:**  
P404 +405: Store in a closed container. Store locked up.

**Disposal:**  
P501: Dispose of contents/container in accordance with local/regional/national/international regulations

### Section 3 – Composition / Information on Ingredients

**Description:** Mixture of the substances listed below with nonhazardous additions.

<b>Hazardous Components</b>	<b>CAS No.</b>	<b>Weight %</b>
Hexadecyldimethylamine	112-69-6	25-50%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence not require reporting in this section.

### Section 4 – First Aid Measures

**General Information:** Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore, medical observation is suggested for at least 48 hours after the accident.

**After Inhalation:** In case of unconsciousness place patient stably in side position for transportation.

**After Ingestion:** Immediately seek medical attention. Do not induce vomiting without medical advice. If conscious, drink plenty of water.

**After Skin Contact:** Immediately wash with water and soap and rinse thoroughly.

**After Eye Contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

### Section 5 – Fire Fighting Measures

**Extinguishing Media:** Carbon Dioxide (CO<sub>2</sub>), extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam

**Special Fire Fighting Procedures:** As in any fire, wear full protective gear and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

### Section 6 – Accidental Release Measures

**Personal Safety Precautions:** Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

**Methods for Cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

## Section 7 – Handling and Storage

**Handling:** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.  
**Storage:** Store in an enclosed area in tightly closed containers.

## Section 8 – Exposure Controls / Personal Protection

**Engineering Controls:** Use with adequate general and local exhaust ventilation.

**Skin Protection:** Avoid contact with the skin. Immediately remove all soiled and contaminated clothing.

**Eye Protection:** Wear tightly sealed goggles. Avoid contact with the eyes. .

**Work/Hygienic Practices:** Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

**Breathing Equipment:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**Gloves:** The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

## Section 9 – Physical and Chemical Properties

**Physical State:** Fluid  
**Appearance/Color:** Colorless  
**Odor:** Amine-like  
**Solubility in water:** Not miscible or difficult to mix.  
**Boiling Point:** No data.  
**Melting Point:** No data.  
**Flash Point:**  
**Auto ignition:** Product is not self-igniting  
**Specific Gravity:** Not determined.  
**pH (in water):** Not determined.  
**VOC Concentration:** No VOCs. 0.0 g/l / 0.00 lb/gl

## Section 10 – Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** No further relevant information available.

**Hazardous Decomposition Products:** No dangerous decomposition products known.

**Incompatibilities:** No further relevant information available.

## Section 11 – Toxicological Information

**Acute toxicity:**  
112-69-6 Hexadecyldimethylamine      Oral:    LD50 301 - 2000 mg/kg (rat)

**Primary irritant effect:**

**On the skin:** Strong caustic effect on skin and mucous membranes.

**On the eye:** Strong caustic effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

IARC: Not regulated as a carcinogen.

NTP: Not regulated as a carcinogen.

OSHA: Not regulated as a carcinogen.

**Section 12 – Ecological Information**

**Ecological Information:** Toxicity

**Aquatic toxicity:** 112-69-6 Hexadecyldimethylamine LC50/96h 0.1-1 mg/l (zebrafish)

**Remark:** Very toxic for fish

**Additional ecological information:**

**General notes:** Water hazard class 2 (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized. Danger to drinking water, if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms.

**Section 13 – Disposal Considerations**

**Waste Disposal Method:** Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Container disposal:** Disposal must be made according to official regulations.

**Section 14 – Transport Information**

**UN-Number: DOT, IMDG, IATA** UN2735

**UN Proper Shipping Name:**

**DOT:** Amines, liquid, corrosive, n.o.s. (Hexadecyldimethylamine)

**IMDG:** AMINES, LIQUID, CORROSIVE, N.O.S. (Hexadecyldimethylamine), MARINE POLLUTANT

**IATA:** AMINES, LIQUID, CORROSIVE, N.O.S. (Hexadecyldimethylamine)

Transport Hazard Class:	Class	Label	Packaging Group
<b>USDOT (Domestic Surface)</b>	8 Corrosive substances	8	III
<b>IMDG (Ocean) Hazard Class or Division:</b>	8 Corrosive substances	8	III
<b>IATA/ICAO (Air) Hazard Class or Division:</b>	8 Corrosive substances	8	III

<b>Environmental hazards</b>	Product contains environmentally hazardous substances: Hexadecyldimethylamine
<b>Marine pollutant</b>	Yes Symbol (fish and tree)
<b>Special precautions for user</b>	Warning: Corrosive substances
<b>Danger code (Kemler)</b>	80
<b>EMS Number:</b>	F-A,S-B
<b>Segregation groups</b>	Alkalis
<b>Stowage Category</b>	A
<b>Segregation Code</b>	SG35 Stow "separated from" acids.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

**Transport/Additional information:**

**DOT:**

**Quantity limitations** On passenger aircraft/rail: 1 L  
On cargo aircraft only: 30 L

**Remarks** Special marking with the symbol (fish and tree).

**IMDG:**

**Limited quantities (LQ)** 5L  
**Excepted quantities (EQ) Code:** E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

**UN "Model Regulation":** UN 2 735 AMINES , LIQUID, CORROSIVE, N.O.S.  
( H E X A D E C Y L D I M E T H Y L A M I N E ) , 8 , I I I ,  
ENVIRONMENTALLY HAZARDOUS

### Section 15 – Regulatory Information

**SARA 355 (Extremely Hazardous Substances):** None of the ingredients is listed.

**SARA Section 313 Notification:** None of the ingredients is listed.  
**CERCLA:** No CERCLA chemicals exist in this product above reportable concentrations.

**TSCA (Toxic Substances Control Act):**  
28553-12-0 Di-"isononyl" phthalate  
112-69-6 Hexadecyldimethylamine

**California Proposition 65:** Warning – This product contains a chemical known to the State of California to cause cancer:  
28553-12-0 di-"isononyl" phthalate

### Section 16 – Other Information

**Abbreviations and acronyms:**

USDOT: United States Department of Transportation.  
IMDG: International Maritime Code for Dangerous Goods.  
IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (Division of the American Chemical Society).  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent.  
LD50: Lethal dose, 50 percent.  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit

**SDS prepared by:** Aquafin product safety department.

**DISCLAIMER:**

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use. Aquafin shall not be responsible for the use of this product in a manner to infringe on any patent or any other intellectual property rights held by others. User is responsible for determining appropriate safety measures and for applying the legislation covering his own activities. We recommend that user makes tests to determine the suitability of a product for its particular purpose prior to use.

**END OF SDS**

(January 24, 2019)