

VINCENTS POLYLINE LTD

PRODUCT SAFETY DATA SHEET/DETAILS OF THE CHEMICAL OR PRODUCT in accordance with COMMISSION REGULATION (EU) 2020/878, from 18 June 2020

Date: 20.07.2023

CURING ACCELERATOR FOR BUILDING MATERIALS AND CONCRETE "SPEED"

Version No. 3.0

Print date: 4/10/2025

1. IDENTIFICATION OF SUBSTANCE/MIX AND ENTREPRENEURSHIP/COMPANY

- 1.1. Product identifier:** "Speed"
UFI: TFCC-10P8-M00J-33NW
- 1.2. Identified usage purpose of substance or mixture, and non-recommended usage:** Curing accelerator for building materials and concrete.
Use according to the company's developed instructions
- 1.3. Information of safety data sheet provider**
- 1.3.1. Manufacturer/importer: Ltd Vincents Polyline
- 1.1.1. Company registry number: 40003358071
- 1.3.2. Full address: 29 Cīruļu Street, Kalngale,
Carnikavas parish, Adazu county, LV-2163, Latvia
- Phone: +371-67903272
- E-mail: polyline@polyline.vincents.lv
- 1.4. Emergency phone numbers:** Ambulance: 113
State Fire and Rescue Service: 112
Toxicology and sepsis clinics Poisoning and Drug Information
Centre: +371-67042473 (works 24 hours a day)

2. HAZARD IDENTIFICATION

2.1. Classification of substance or mixture

According to (EC) Regulation
No 1272/2008: Eye Irrit. 2; H319

2.2. Label element

GHS pictograms:



Signal word: Warning

Hazard statement: H319 – Causes serious eye irritation

Precautionary statement: **Prevention:**
P102 – Keep out of reach of children
P264 – Wash hands thoroughly after handling

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P280 – Wear protective gloves/eye protection/face protection

Response:

P305 + P351+ P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 – If eye irritation persists, seek medical attention

Disposal:

P501 – Dispose of contents/container according to national legislation

2.3. Other hazards:

The product does not contain PBT or vPvB substances.
Endocrine-disrupting properties: None known.

3. COMPOSITION/COMPONENT PART INFORMATION

3.1. Mixtures

Chemical characteristics:

Mixture

Hazardous components of the mixture:

Chemical name	CAS No. / EC No. / REACH Registration No.	Classification (REGULATION (EC) No. 1272/2008)	Concentration, %
Calcium chloride, CaCl ₂	10043-52-4/ 233140-8/	Warning  Eye Irrit. 2; H319	20 – 35

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:

Move the victim to fresh air. Seek medical attention if necessary

Skin contact:

Wash skin with plenty of water

Eye contact:

Immediately rinse eyes with plenty of water for 5 minutes, including under the eyelids. Seek medical attention if necessary

Ingestion:

Drink plenty of water. Do not induce vomiting. Seek medical attention immediately

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4.2. The most important symptoms and effects – acute and delayed

Symptoms: No specific symptoms are known

4.3. Indication of needed immediate medical attention and special treatment

Treatment: Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1. Fire-fighting equipment

Suitable extinguishing media: Use foam, water stream, CO₂, fire extinguishers

5.2. Special hazards arising from the substance or mixture

Special hazards during fire: In case of fire, toxic fumes such as chlorine may form

5.3. Suggestions to fire-fighters

Special protective equipment: Firefighters should wear a self-contained breathing apparatus with a full-face mask and independent air supply

Additional information: Use all personal protective equipment while fighting the fire

6. IN CASE OF ACCIDENTAL SPILLAGE

6.1. Personal precautions, protective equipment and procedures in emergency situations: Wear appropriate personal protective equipment as outlined in section 8. Ensure proper ventilation

For people that haven't received training in emergency situations: Do not take any actions without any appropriate training that may cause any personal injury

Emergency aid personnel: Wear protective equipment. Ensure sufficient ventilation

6.2. Environmental safety measures: Prevent product spillage in sewage, water systems or soil, and in case of water system contamination reach out to the relevant authorities

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6.3. Methods for containment and cleaning up:

Absorb with dry sand and place in waste containers for large spills. Wash the affected area with water. Collect used water with dry sand

6.4. Reference to other sections:

Personal protection in section 8. Elimination of substance or packaging in section 13

7. USE AND STORAGE

7.1. Precautions for safe handling:

Information for personnel about hygiene measures of personal protection in section 8

Advice for safe handling:

Use in well-ventilated areas. Avoid inhaling vapors. Wash hands thoroughly during breaks and after work

Recommendations for fire and explosion protection measures:

7.2. Safe environment for storage, as well as incompatible type:

Store in a cool, well-ventilated, fireproof area in tightly closed original containers. Follow the markings

7.3. Specifically intended use for:

Not applicable

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters:

Applied occupational exposure limit values:

For the mixture (aqueous solution of substances) there is no determination

8.2. Exposure control

Appropriate technical control:

Ensure good ventilation and use appropriate personal protective equipment. See also Section 7

Personal protection equipment

Breathing protection:

Respirator with appropriate filter

Skin protection:

Arm protection:

PVC gloves

Body protection:

Work clothing and PVC or rubber shoes, apron

Acu/sejas aizsardzība:

Use safety glasses

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Hygiene measures:	Act in accordance with good production hygiene and safety practice. Avoid contact with skin and eyes. Do not eat, drink or smoke during work. Wash contaminated clothes before wearing them again
Environmental risk assessment:	Do not spill product in groundwater or surface waters. Check sections 6. and 12

9. PHYSICAL AND CHEMICAL CHARACTERISTICS

9.1. Information of basic physical and chemical characteristics

Appearance:	
State:	Liquid
Color:	Pale, cloudy
Odor:	Weak
Odor threshold:	No information available
pH:	6 - 10
Melting/freezing point:	Not applicable
Range of boiling point and boiling temperature:	Not applicable
Flash temperature:	Not classified
Evaporation rate:	Not determined
Flammability (other substances, gases)	Not applicable
Highest/lowest flammability and explosion point:	Not determined
Vapor pressure:	Not determined
Vapor density:	Not determined
Density:	1,22 – 1,26 g/cm ³ (20 °C)
Solubility:	Soluble in water
Partition coefficient	N.a.

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(n-octanol/water):

Self-ignition temperature: Not determined

Degradation temperature: N.a.

Viscosity: Not determined

Explosive hazard: Not dangerous

Oxidation characteristics: N.a.

9.2. Cita informācija

Maximum explosion upper pressure: Not applicable

Minimum ignition energy: Not applicable

10. STABILITY AND REACTIVITY

10.1. Reactivity Can react with strong reducing or oxidizing agents

10.2. Chemical stability Stable under recommended storage conditions

10.3. Possibility of dangerous reaction: Calcium chloride can react strongly with some strong reducing and oxidizing agents

10.4. Circumstances, which should be avoided: Avoid strong oxidizers and reducers

10.5. Incompatible material: Can corrode steel, iron, and galvanized steel

10.6. Dangerous products of degradation: Does not decompose if used as recommended

11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes defined in Regulation (EC) No. 1272/2008:

Acute toxicity:
Orally: **Calcium chloride CAS: 10043-52-4**
LD₅₀(rat) = 2301 mg kg⁻¹ (OECD 401)

Dermally: **Calcium chloride CAS: 10043-52-4**
LD₅₀(rat) > 5000 mg kg⁻¹

Corrosive/Irritant to skin: The mixture may cause skin irritation in sensitive individuals

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Causes eye damage/irritation:	The mixture may cause eye irritation
Respiratory or skin sensitization:	Sensitizing to skin (calculation method)
Stem cell mutation:	Not mutagenic
Carcinogenicity:	Not carcinogenic
Toxic impact on specific organ, single exposure:	Not determined
Toxic impact on specific organ, repeated exposure:	Not determined
Risk of inhalation:	Not determined
11.2. Information on other hazards	The mixture does not contain PBT and vPvB substances. Endocrine disrupting properties: Not known

12. ENVIRONMENTAL INFORMATION

12.1. Toxicity

Toxicity of water environment:	Calcium chloride CAS: 10043-52-4 Fish: <i>Pimephales promelas</i> LC ₅₀ (96 h) = 4630 mg L ⁻¹ , LC ₅₀ (48 h) > 6560 mg L ⁻¹ , LC ₅₀ (24 h) > 6660 mg L ⁻¹ (EPA/600/4-90/027, EPA/600/6-91/003) Daphnia LC ₅₀ (48 h) = 2400 mg L ⁻¹ Algae: <i>Selenastrum capricornutum</i> (<i>Pseudokirchneriella subcapitata</i>) Green algae EC ₅₀ (72 h) = 2900 mg L ⁻¹ (biomass) EC ₅₀ (72 h) > 4000 mg L ⁻¹ , (growth rate) EC ₂₀ (72 h) = 1000 mg L ⁻¹ , (biomass) Green algae <i>Pseudokirchneriella subcapitata</i> EC ₅₀ (72 h) = 2,9 mg L ⁻¹ , EC ₂₀ = 1,0 mg L ⁻¹ , OECD 201.
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12.2. Sustainability and degradation

Biodegradability:	Not applicable
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12.3. Potential bioaccumulation

Calcium and chloride are essential substances for living organisms

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12.4. Mobility in soil:

Distribution between environmental sectors: CaCl_2 is dissociated into calcium and chloride ions

12.5. PBT and vPvB expertise results

Assessment: This mixture is not considered persistent, bioaccumulative, and toxic (PBT)
This mixture is not considered very persistent, very bioaccumulative (vPvB)

12.6. Endocrine-disrupting properties:

The mixture does not contain substances with endocrine-disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

12.7. Other negative effect and additional information

N.a.

13. CONSIDERATIONS REGARDING MANAGEMENT

13.1. Methods of processing considerations

Products: Dispose of in accordance with national and local environmental protection regulations as hazardous waste

Packaging: Do not reuse empty packaging. Dispose of as special waste according to local and national regulations

14. TRANSPORT INFORMATION

14.1. UN number: Not classified

14.2. UN shipping name: Not classified

14.3. Transport hazard class(-es): Not classified

14.4. Packaging group: Not classified

14.5. Environmental risks: Not expected

14.6. Special precautions for users: Not necessary

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14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable

14.8. Other information: In accordance with international transport regulations (ADR – road transport, IMDG – sea transport and IATA – air transport) product does not identify as dangerous good

15. LEGISLATION INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for substances or mixtures: The Safety Data Sheet has been prepared in accordance with Commission Regulation (EC) No. 830/2015. Labeling and classification have been developed in accordance with Regulation (EC) No. 1272/2008 of the European Parliament and of the Council (16 December 2008) on the classification, labeling, and packaging of substances and mixtures, as well as in accordance with Regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH). Regulation (EU) No. 528/2012 of the European Parliament and of the Council (22 May 2012) concerning the making available on the market and use of biocidal products and the Cabinet of Ministers Regulations No. 628 of 27 August 2013 "Requirements for activities involving biocides."

In Latvia, the management of hazardous waste is carried out in accordance with the Waste Management Law of 28.10.2010 and the amendments to the Waste Management Law of 16.12.2010, the Cabinet of Ministers Regulations No. 494 of 7 August 2018 "Procedure for the Record-keeping of Waste Transport", the Cabinet of Ministers Regulations No. 795 of 22 December 2015 "Procedure for the Record-keeping and Database of Chemical Substances and Mixtures", and Cabinet of Ministers Regulations No. 302 (19.04.2011) "Regulations on the Waste Classification and the Properties that Make Waste Hazardous".

Transport information has been developed in accordance with the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), applicable from 01.01.2011, and in accordance with Annex 1 to Appendix B of the Convention concerning International Carriage by Rail (COTIF) (in force from 01.01.2011).

15.2. Evaluation of chemical safety: Safety evaluation is applicable, if available.

16. OTHER INFORMATION

16.1. Not otherwise specified substance hazards:

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Warning phrase explanations (check sections 2. and 3.)

H319 Causes serious eye irritation

Hazard class explanations (check sections 2. and 3.)

Eye Irrit. 2 Serious eye irritation, Category 2

Acronyms: 67/548/EEC = Directive of Hazardous Substances. 1999/45/EC = Directive of Dangerous Preparations. EC Regulation No 1272/2008 = Regulation for substance and mixture classification, marking and packaging. IATA = International Air Transport Association. IMDG = International Maritime Dangerous Goods Code. RID = agreement for carriage of dangerous goods by rail. ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road. TWA = time-weighted average. STEL = short-term exposure limit values.

AER – Exposure action rate, 8h; LC₅₀ – Median lethal concentration; LD₅₀ – Median lethal dose, EC₅₀ – Median effective concentration, vPvB – very persistent and very bioaccumulative; PBT – persistent, bioaccumulative and toxic.

The information provided in this safety data sheet represents all available information at the time of publication. The available information is brought only to ensure safety measures, product use, recycling, storage, transportation and utilization, it is not a quality guarantee or quality certificate for the previously mentioned product processes, as they are not under our supervision. Information reflects only the mentioned product, under no circumstances would it reflect the product when used with different material.