

**SAFETY DATA SHEET**

Prepared according to the European Commission Regulations (EU) No. 2015/830

**SUBSTANCE:** Post Fix system HILST Part A**Date of filling:** 05 11 2016**Last revision date:**–**Version No.:** 1

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**SAFETY DATA SHEET****Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

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**1.1. PRODUCT IDENTIFIER****Product name:** Post Fix system HILST Part A**REACH registration number:** Mixture (registration is not required according to REACH regulation, 1907/2006/EC)**RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST****Relevant identified uses:** is designed to perform construction work (e.g. installation of columns, lights, power lines, fences etc.), as a substitute for concrete gravel, sand, earth or other filling.**Uses advised against:** No available.**1.2. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET****Manufacturer:**

«Largo Enterprise» LTD

26A, Metallistov str., Ulyanovsk, Russia, 432051

**Electronic mail address of the person, responsible for the safety data sheet:**

info@hilst.ru

**1.3. HELPDESK TELEPHONE NUMBER:**

Poison Control Centre (Austria)

Tel. No.: +43 1 406 4343

Antigif Centrum Centre Antipoisons (Belgium)

Tel. No.: +32 070 245 045

National Toxicology Center, Hospital for Active Medical Treatment and Emergency Medicine  
"N.I.Pirogov" (Bulgaria)

Tel. No. / fax.: +359 2 9154 233

Poison Control Centre (Croatia)

Tel. No.: +385 1 234 8342

Toxicological Information Centre (Czech Republic)

Tel. No.: +420 224 919 293 / +420 224 915 402

Poison Control Hotline (Denmark)

Tel. No.: +45 82 12 12 12

Poisoning Information Centre (Estonia)

Tel. No.: +372 626 93 90

Poison Information Centre (Finland)

Tel. No.: +358 09 471 977

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ORFILA (INERIS) (France)

Tel. No.: + 33 (0) 1 45 42 59 59

Health Toxicological Information Service (Hungary)

Tel. No.: +36 80 20 11 99

Poison Centre (Iceland)

Tel. No.: +354 543 2222

National Poisons Information Centre (Ireland)

Tel. No.: + 353 (0)1 809 2566 / + 353 (0)1 837 9964

Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs (Latvia)

Tel. No.: +371 670 42473

Health Emergency Situations Centre of the Ministry of Health, Poison Information Bureau (Lithuania)

Tel. No.: +370 5 236 20 52, mob.: +370 687 53378

Mater Dei Hospital (Malta)

Tel. No.: +356 2545 0000

National Poisons Information Centre (NVIC) (Netherlands)

Tel. No.: +31 (0) 30 274 8888

Mental Health Helpline (Norway)

Tel. No.: +47 22 59 13 00

Instituto Nacional de Emergência Médica (Portugal)

Tel. No.: + 351 213 303 271

Biroul RSI si Informare Toxicologica (Romania)

Tel. No.: +40 021 318 3606

National Toxicological Information Centre (NTIC) (Slovakia)

Tel. No.: +421 2 5477 4166

Toxicology Information Service (Spain)

Tel. No.: + 34 91 562 04 20

Swedish Poisons Information Centre (Sweden)

Tel. No.: +46 08 331231

Health and Safety Executive (HSE) (United Kingdom)

Tel. No.: +44 0151 922 9235

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**Section 2. HAZARDS IDENTIFICATION**

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**2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE****2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]**

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### Classification - REGULATION (EC) No 1272/2008

Acute Tox. 4: Acute toxicity if swallowed, Category 4, H302

Flam. Sol. 1; Acute Tox. 4;

Skin Irrit. 2; Eye Irrit. 2; STOT

25 - 50 %

SE 3; Aquatic Chronic 3;

H228, H302, H315, H319,

H335, H412

Skin corrosion (Category 1B)

Acute toxicity, Dermal (Category 3)

Acute toxicity, Oral (Category 4)

### 2.1.2. Additional information:

For full text of Hazard- and EU Hazard-statements: see section 16.

## 2.2. LABEL ELEMENTS

### Label according to Regulation (EC) No. 1272/2008 [CLP]

#### Hazard pictogram(s)



**Signal word** Danger

#### Hazard statements

H302 - Harmful if swallowed

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H412 - Harmful to aquatic life with long lasting effects.

H311 - Toxic in contact with skin.

H314 - Causes severe skin burns and eye damage.

#### Precautionary statements

P264: Wash thoroughly after use

P270: Do not eat, drink or smoke when using this product

P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330: Rinse mouth

P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively

P261 - Avoid breathing vapours.

P273 - Avoid release to the environment.

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

P280 - Wear protective gloves/ protective clothing/ eye protection/ face Protection.

P310 - Immediately call a POISON CENTER or doctor/ physician.

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**Supplemental Hazard information (EU):** Contains isocyanates. May produce an allergic reaction.**2.3. OTHER HAZARDS**

Substance does not meet the criteria for vPvB according to Regulation (EC) No. 1907/2006.

**Section 3. COMPOSITION INFORMATION ON INGREDIENTS****3.1. SUBSTANCES**

The product is mixture

**3.2. MIXTURES**

Ingredient name	CAS No.	EC / List No.	Classification:	Concentration (%)
			CLP	
Polyether polyol	Trade secret	-	-	>= 30.0 - <= 60.0
Dipropylene glycol	25265-71-8	246-770-3	-	0 - <1.0
2,2 - diethylene glycol	111-46-6	203-872-2	Acute Tox. 4: Acute toxicity if swallowed, Category 4, H302	2,0 - <4.0
Diazabicyclo 1,4 (2,2,2) octane	280-57-9	205-999-9	Flam. Sol. 1; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT 25 - 50 % SE 3; Aquatic Chronic 3; H228, H302, H315, H319, H335, H412	0 - <1.0
Pentamethyldiethylenetriamine	3030-47-5	221-201-1	Skin corrosion (Category 1B) Acute toxicity, Dermal (Category 3) Acute toxicity, Oral (Category)	0 - <1.0
Water	7732-18-5	231-791-2	-	0 - <2.0

**Additional information:** For full text of H-statements: see section 16.**Section 4. FIRST AID MEASURES****4.1. DESCRIPTION OF FIRST AID MEASURES****GENERAL ADVICE:** First aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

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**INHALATION:** Move person to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

**SKIN CONTACT:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**INGESTION :** If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel. Rinse mouth. Get medical attention if symptoms occur.

After first aid, get appropriate in-plant, paramedic, or community medical support. Note to Physicians: Symptomatic and supportive therapy may be needed following severe exposure. In such cases, medical follow-up should be maintained for at least 48 hours.

**Special Precautions/Procedures:** Store in sealed containers to prevent moisture contamination. Avoid contact with skin and eyes.

### 4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

**Inhalation:** Nose, throat and respiratory tract irritation, nausea, headache, dizziness, drowsiness, shortness of breath, confusion

**Skin Contact :** Skin irritation, local redness, skin drying, skin cracking, allergic skin reactions

**Eye Contact:** Eye irritation, tearing, eye redness

**Ingestion:** Mouth, throat and digestive tract irritation, lung damage

### 4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Maintain adequate ventilation and oxygenation of the patient. Treat symptomatically. The effects might be delayed. In case an intoxication is suspected, National Poisons Information Centre should be addressed immediately, number of Emergency telephone see in section 1.4.

## Section 5. FIREFIGHTING MEASURES

**General fire hazards.** No unusual fire or explosion hazard.

### 5.1. EXTINGUISHING MEDIA

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>)

**Extinguishing Media to Avoid:** Do not use water jet as an extinguisher as this will spread the fire.

### 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

**Hazardous Combustion Products:** During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: oxides of carbon.

**Unusual Fire and Explosion Hazards:** Material reacts slowly with water, releasing carbon dioxide which can cause pressure buildup and rupture of closed containers. Elevated temperatures accelerate this reaction. Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Dense smoke is produced when product burns.

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### 5.3. ADVICE FOR FIREFIGHTERS

**Fire Fighting Procedures:** Keep people away. Isolate fire and deny unnecessary entry. Stay upwind. Keep out of low areas where gases (fumes) can accumulate. Water is not recommended, but may be applied in large quantities as a fine spray when other extinguishing agents are not available. Do not use direct water stream. May spread fire. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Move container from fire area if this is possible without hazard. Use water spray to cool fire-exposed containers and fire-affected zone until fire is out. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the “Accidental Release Measures” and the “Ecological Information” sections of this (M)SDS.

**Special Protective Equipment for Firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

## Section 6. ACCIDENTAL RELEASE MEASURES

### 6.1. PERSONAL PROTECTIVE MEASURES

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Keep personnel out of low areas. Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. If available, use foam to smother or suppress. Refer to Section 7, Handling, for additional precautionary measures. See Section 10 for more specific information. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

### 6.2. METHODS OF CLEANING

Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Following product recovery, flush area with water. For waste disposal, see Section 13 of the MSDS

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use

### 6.3. REFERENCE TO OTHER SECTIONS

Avoid discharge into drains, water courses or onto the ground. Observe for protection equipment in Sections 7 and 8. Observe about the product removal in Section 13.

## Section 7. HANDLING AND STORAGE

### 7.1. PRECAUTIONS FOR SAFE HANDLING

**Advice on safe handling.** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing mist, vapour or dust. Wash thoroughly after handling. Before handling, it is very important that ventilation controls are operating and protective equipment requirements are being followed. People working with this product would be properly trained regarding its hazards and its safe use. Eliminate all ignition sources (e.g. sparks, open flames, hot surfaces). Keep away from heat. Ground transfer containers to avoid static accumulation. Tightly reseal all partially used containers. Do not

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cut, puncture or weld containers. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Measures to prevent fire.** Do not use for indoor heating of cooking unless ventilation is provided for exhausting fumes to outside.

### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Requirements for storage.** Store in accordance with local regulations. Store in a dry place. Protect from atmospheric moisture. Do not store product contaminated with water to prevent potential hazardous reaction. See Section 10 for more specific information. No smoking near storage area. Store away from incompatible materials. Store the product according to occupational health and safety regulations and fire and building codes. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel.

### 7.3. SPECIFIC END USE(S)

Spray Foam Insulation.

## Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. CONTROL PARAMETERS

#### 8.1.1. Occupational exposure limits.

1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, mixed esters with diethylene glycol and propylene glycol

ACGIH: 0.15 ppm

Diethylene glycol NIOSH REL: Ethylene glycol [Ceiling 50 ppm] OSHA PEL †: none

**8.1.2. Biological limit values.** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures.** Follow standard monitoring procedures.

### 8.2. EXPOSURE CONTROLS

**General information.** Do not eat, drink, smoke at the workplace. Wash hands before breaks and after work.

**8.2.1. Appropriate engineering controls.** Provide adequate ventilation (typically 10 air changes per hour) and minimise the risk of inhalation of fumes. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eyewash facilities and emergency shower must be available when handling this product. Use explosion-proof equipment. Provide easy access to water supply and eye wash facilities.

#### 8.2.2. Individual protection measures, such as personal protective equipment.

**General information.** Use personal protective equipment as required. Keep working clothes separately. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection.** Wear safety glasses with side shields (or goggles).

**Hand protection.** Wear appropriate chemical resistant gloves.

**Ingestion:** Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

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**Respiratory protection.** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hygiene measures.** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Thermal hazards.** Wear appropriate thermal protective clothing, when necessary.

**Engineering Controls**

**Ventilation:** Use only with adequate ventilation. Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines. Exhaust systems should be designed to move the air away from the source of vapor/aerosol generation and people working at this point. The odor and irritancy of this material are inadequate to warn of excessive exposure. Local exhaust ventilation may be necessary for some operations.

**8.3. Environmental exposure controls**

Environmental manager must be informed of all major releases.

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**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

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**9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	liquid
COLOUR:	dark brown
ODOUR:	characteristic
ODOUR THRESHOLD:	not available.
pH:	not applicable
MELTING POINT/FREEZING POINT:	not applicable.

**INITIAL BOILING POINT AND BOILING**

RANGE:	not applicable.
EVAPORATION RATE:	no data available
VAPOUR PRESSURE:	not applicable
VAPOUR DENSITY:	not applicable
SPECIFIC GRAVITY	1.19-1.23
SOLUBILITY in water:	soluble

Incompatibilities: None known, avoid strong oxidizing agents.

**9.2. OTHER INFORMATION**

No additional information.

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**Section 10. STABILITY AND REACTIVITY**

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**10.1. REACTIVITY**

The product is stable and non-reactive under normal conditions of use, storage and transport.

**10.2. CHEMICAL STABILITY**

Chemical stability: Material is stable under normal conditions.

Materials to avoid: The product is stable and non-reactive under normal conditions of use, storage and transport.



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**10.3. POSSIBILITY OF HAZARDOUS REACTIONS**

No dangerous reaction known under conditions of normal use.

**10.4. CONDITIONS TO AVOID**

Avoid strong oxidizing agents

**10.5. INCOMPATIBLE MATERIALS**

Acids, oxidizing agents, isocyanates

**10.7. HAZARDOUS DECOMPOSITION PRODUCTS**

Decomposition products:

Hazardous decomposition products: carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

**Section 11. TOXICOLOGICAL INFORMATION****11.1. INFORMATION ON TOXICOLOGICAL EFFECTS****Acute toxicity.** Causes skin irritation. May cause redness and pain. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.**Ingestion**

Not an expected route of exposure. Expected to be a low ingestion hazard.

**Aspiration hazard**

Based on physical properties, not likely to be an aspiration hazard.

**Inhalation**

Not an expected route of exposure. No adverse effects due to inhalation are expected

**Eye damage/eye irritation**

Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Skin corrosion/irritation**

Prolonged contact may cause slight skin irritation with local redness. May stain skin.

**Sensitization****Skin**

Causes skin irritation. May cause redness and pain.

**Respiratory**

May cause allergic respiratory response. MDI concentrations below the exposure guidelines may cause allergic respiratory reactions in individuals already sensitized. Asthma-like symptoms may include coughing, difficult breathing and a feeling of tightness in the chest. Occasionally, breathing difficulties may be life threatening.

LD50/LC50 values relevant to this classification:

1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, mixed esters with diethylene glycol and propylene glycol

Oral rat LD50 632 mg/kg bw

Inhal rat LC50 &gt;17,800 mg/L air 1hr

Derm rabbit LD50 &gt;5,000 mg/kg bw

Diethylene glycol

Oral rat LD50 19600 mg/kg bw/day

Oral rat LD50 16500 mg/kg bw/day

Oral Human LD50 1120 mg/kg bw/day

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Oral Rat LD50 >25300 mg/kg  
Inhal rat LC50 > 4.6 mg/L air 4hr  
Inhal Rat LC50 >5.06 mg/l  
Derm rabbit LD50 13300 mg/kg bw  
Dermal Rabbit LD50 12500 mg/kg

Pentamethyldiethylenetriamine

Oral rat LD50 1330 mg/kg bw  
Inhal rat LC50 290 ppm = 2055.5 mg/m<sup>3</sup>  
Inhal rat LC50 8.38 mg/L air (nominal)  
Derm rabbit LD50 > 200 < 1000 mg/kg bw

Calculated overall chemical acute toxicity values for this formulation:

LC50 (inhalation)	LD50 (oral)	LD50 (dermal)
>5 mg/kg (dust and mist)	>2000 mg/kg	>2000 mg/kg

## 11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE

**Skin corrosion/irritation:** Causes skin irritation. May cause redness and pain.

**Serious eye damage/irritation:** Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Respiratory sensitization:** Based on available data, this product is not expected to cause respiratory sensitization.

**Skin sensitization:** Based on available data, this product is not expected to cause skin sensitization.

**Symptoms and target organs:** Prolonged exposure may cause chronic effects. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure . Causes skin irritation. May cause redness and pain. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Chronic health effects:** Prolonged exposure may cause chronic effects. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure .

**Carcinogenicity:** This product is not classified as a carcinogen. Due to the form of the product, exposure to the potentially carcinogenic components is not expected

**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Reproductive Toxicity:** Suspected of damaging the unborn child.

**Specific Target Organ Toxicity (STOT):**

**Single Exposure:** Not classified as an STOT - Single Exposure.

**Repeated Exposure:** May cause damage to organs through prolonged or repeated exposure .

**Aspiration Toxicity:** Based on available data, this product is not expected to cause aspiration toxicity.

## Section 12: ECOLOGICAL INFORMATION

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### 12.1. TOXICITY

**Ecotoxicity:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Acute aquatic toxicity:** The product is not classified as acutely environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Chronic toxicity:** The product is not classified as having a chronic environmental hazard. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Environmental effects:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 12.2. PERSISTENCE AND DEGRADABILITY

Not available.

### 12.3. BIOACCUMULATIVE POTENTIAL

No data available on bioaccumulation.

### 12.4. MOBILITY IN SOIL

Not available.

**Environmental fate - Partition coefficient.** Not available.

### 12.5. RESULTS OF PBT AND vPvB ASSESSMENT

The mixture does not meet the criteria for a classification as PBT or vPvB.

### 12.6. OTHER ADVERSE EFFECTS

The product has not been tested. Do not discharge product into the environment without control.

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## Section 13. DISPOSAL CONSIDERATION

### 13.1. WASTE TREATMENT METHODS

This material must be disposed of in accordance with all local, state, provincial, and federal regulations. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Dispose of contents and container in accordance with all local, regional, national and international regulations.

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## Section 14. TRANSPORT INFORMATION

Transport only in accordance with ADR for road haulage, RID for rail transportation, ADNR/IMDG for carriage by vessel/sea and IATA for carriage by air.

**14.1. UN number.** Not applicable

**14.2. UN proper shipping name.** Proper Shipping Name: NOT REGULATED

**14.3. Transport hazard class(es).** Not applicable

**14.4. Packing group.** Not applicable

**14.5. Environmental hazards.** Not considered environmentally hazardous based on available data.

**14.6. Special precautions for user.** Not available.

**14.7. Transport in bulk according to MARPOL 73/78 and the IBC Code.** Not applicable.

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**Special precautions for user.** Read safety instructions, SDS and emergency procedures before handling.

## Section 15. REGULATORY INFORMATION

### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No.793/93, Commission Regulation (EC) No. 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union No. L 396, 30-12-2006, error correction – No. L 136/3, 2007-5-29);
- COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 132, 29.5.2015, p. 8–31);
- On 16 December 2008 the Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of chemical substances and mixtures was undersigned. The said Regulation amended and repealed the directives 67/548/EEC and 1999/45/EC and Regulation (EC) No. 1907/2006 (the REACH Regulation). The Regulation has been published in the Official Journal of the European Union No. L353, volume 51 on 31 December, 2008;
- The European Agreement concerning International Carriage of Dangerous Goods by Road (ADR).

### 15.2. CHEMICAL SAFETY ASSESSMENT

This substance a chemical safety assessment has not been carried out.

## Section 16. OTHER INFORMATION

### 16.1. INDICATION OF CHANGES

Information contained in the Regulation 1907/2006/EC with the Regulation 830/2015.

**Indication of changes:** –.

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### 16.2. Full text of Hazard and Precautionary statements

#### Hazard statements

H302 - Harmful if swallowed

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H412 - Harmful to aquatic life with long lasting effects.

H311 - Toxic in contact with skin.

H314 - Causes severe skin burns and eye damage.

#### Precautionary statements

P264: Wash thoroughly after use

P270: Do not eat, drink or smoke when using this product

P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

**SAFETY DATA SHEET**

Prepared according to the European Commission Regulations (EU) No. 2015/830

**SUBSTANCE:** Post Fix system HILST Part A**Date of filling:** 05 11 2016**Last revision date:**–**Version No.:** 1

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P330: Rinse mouth

P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively

P261 - Avoid breathing vapours.

P273 - Avoid release to the environment.

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

P280 - Wear protective gloves/ protective clothing/ eye protection/ face Protection.

P310 - Immediately call a POISON CENTER or doctor/ physician.

**Supplemental Hazard information (EU):** none.**Abbreviations:** none.**Acronyms:**

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

RID – Regulations concerning the International Carriage of Dangerous Goods by Rail.

IMDG – International Maritime Dangerous Goods.

IATA – International Air Transport Association.

IMO – International Maritime Organization.

vPvB – Very Persistent and Very Bioaccumulative.

PBT – Persistent, Bioaccumulative and Toxic substance.

LC50 – Lethal Concentration to 50 % of a test population.

LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose).

CAS – Chemical Abstracts Service number.

CEN – European Committee for Standardisation.

STOT – Specific Target Organ Toxicity.

PNEC(s) – Predicted No Effect Concentration(s).

MSDS – Material Safety Data Sheet.

**KEY LITERATURE REFERENCES AND SOURCES FOR DATA:**

The data provided by the European Chemicals Bureau (ECB), European Chemicals Agency (ECHA), Swedish Chemicals Agency (KEMI), International Laboratories Organization (ILO), the TOXNET Internet pages.

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