St. Leo

SAFETY SHEET:
BIO PAINT
2025

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ACCORDING TO REGULATION (EC) NO. 1907/2006 (REACH)
ACCORDING TO REGULATION (EU) 2015/830

1. SECTION:
Identification of the mixture and of partnership of the company

1.1 PRODUCT IDENTIFIER
PRODUCT NAME: Bio Paint

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST
Interior coating for walls & ceiling

1.3 DETAILS OF THE SUPPLIER OF THIS SAFETY DATA SHEET
St. Leo ApS
Trelleborggade 5, 2150 Nordhavn
København, Danmark
Tel: +45 53 74 06 22

E-MAIL ADDRESS OF PERSON RESPONSIBLE FOR THIS SDS: info@stleointeriors.com

1.4 EMERGENCY TELEPHONE NUMBER
Contact The National Poisons Information Service in your region. See Section 4 “First aid measures”.

2. SECTION:
Hazards identification

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE
CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008 [CLP]:
This mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].

2.2 LABEL ELEMENTS
LABELLING ACCORDING TO REGULATION NO. 1272/ 2008 [CLP]:

HAZARD PICTOGRAMS
Not applicable

SIGNAL WORD
Not applicable

HAZARD STATEMENTS
Not applicable

PRECAUTIONARY STATEMENTS
Not applicable

HAZARD COMPONENTS FOR LABELLING
Not applicable

SUPPLEMENTAL HAZARD INFORMATION
EUH211
Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3 OTHER HAZARDS
The substances in this mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

3. SECTION:
Composition/information on ingredients

3.1 MIXTURES
Not applicable

DESCRIPTION
Not applicable

HAZARDOUS INGREDIENTS

CAS NO. EC NO. INDEX NO.	SUBSTANCE NAME REACH NO. CLASSIFICATION ACCORDING TO REGULATION (EC) NO 1272/2008 [CLP]	WEIGHT-%
3811-73-2 223-296-5 -	Pyridine-2-thiol 1-oxide, sodium salt 01-2119493385-28 Acute Tox. 4 H302 / Acute Tox. 3 H311 / Eye Irrit. 2A H319 / Acute Tox. 4 H332 / Aquatic Acute 1 H400 (M = 100,00) / Aquatic Chronic 2 H411	< 0,025

REMARK
Full text of H- and EUH-statements: see Section 16. Full text of H-phrases: see Section 16.

4. SECTION:
First aid measures

4.1 DESCRIPTION OF FIRST AID MEASURES

GENERAL INFORMATION: In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

FOLLOWING INHALATION: Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

FOLLOWING SKIN CONTACT: Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

AFTER EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

FOLLOWING INGESTION: If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

SELF-PROTECTION OF THE FIRST-AIDER: First aider: Pay attention to self-protection.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

SYMPTOMS: In all cases of any doubt, or when symptoms persist, seek medical advice.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

First aid, decontamination, treatment of symptoms.

5. SECTION:
Fire extinguishing

5.1 EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA
Alcohol resistant foam, Carbon dioxide (CO2), Powder, spray mist, (water)

UNSUITABLE EXTINGUISHING MEDIA
Strong water jet

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE
Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 ADVICE FOR FIREFIGHTERS
Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

6. SECTION:
Accidental release measures

6.1 PERSONAL PRECAUTIONS, PERSONAL PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
Ventilate affected area. Do not breathe vapours.

6.2 ENVIRONMENTAL PRECAUTIONS
Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 METHODS AND EQUIPMENT FOR CONTAINMENT AND CLEANING

FOR CONTAINMENT
Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see Section 13).

FOR CLEANING
Clean using cleansing agents. Do not use solvents.

6.4 REFERENCE TO OTHER SECTIONS
Safe handling: see Section 7.
Personal protection equipment: see Section 8.
Disposal: see Section 13.

7. SECTION:
Handling and storage

7.1 PRECAUTIONS FOR SAFE HANDLING

ADVICE ON SAFE HANDLING
Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. Personal protection equipment: see Section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

ADVICE ON OCCUPATIONAL HYGIENE
When using do not eat, drink or smoke.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

REQUIREMENTS FOR STORAGE ROOMS AND VESSELS
Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

HINTS ON JOINT STORAGE
Keep away from strongly acidic and alkaline materials as well as oxidizers.

FURTHER INFORMATION ON STORAGE CONDITIONS
Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3 SPECIFIC END USE(S)
Observe technical data sheet.

8. SECTION:
Exposure control/personal protection

8.1 CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMIT VALUES
No data available

BIOLOGICAL LIMIT VALUES
No data available

8.2 EXPOSURE CONTROLS
Provide good ventilation.This can be achieved with local or room suction.

PERSONAL PROTECTION EQUIPMENT

RESPIRATORY EQUIPMENT
In case of inadequate ventilation wear respiratory protection.

HAND PROTECTION
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin.
Recommended glove articles: EN ISO 374

SKIN PROTECTION
Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

EYE/FACE PROTECTION
Eye glasses with side protection.

BODY PROTECTION
When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

ENVIRONMENTAL EXPOSURE CONTROLS
Do not allow to enter into surface water or drains.

9. SECTION:
Physical and chemical properties

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

PHYSICAL STATE: Liquid
COLOUR: Refer to label

SAFETY CHARACTERISTICS

ODOUR: Characteristic
ODOUR THRESHOLD: Not determined
PH: Not determined
MELTING POINT/FREEZING POINT: Not determined
INITIAL BOILING POINT AND BOILING RANGE: Not determined
FLASH POINT: Not determined
EVAPORATION RATE AT 20 °C: Not determined
BURNING TIME: Not applicable
LOWER EXPLOSION LIMIT AT 20 °C: Not determined
UPPER EXPLOSION LIMIT AT 20 °C: Not determined
VAPOUR PRESSURE AT 20 °C: 23,898 mbar
DENSITY AT 20 °C: 1,473 kg/l
WATER SOLUBILITY AT 20 °C: Practically insoluble
PARTITION COEFFICIENT: N-OCTANOL/WATER: See Section 12
IGNITION TEMPERATURE IN 20 °C: Not determined
DECOMPOSITION TEMPERATURE: Not determined
VISCOSITY: Not determined
EXPLOSIVE PROPERTIES: Not relevant
OXIDISING PROPERTIES: Not relevant

9.2 OTHER INFORMATION
Not applicable

10. SECTION:
Stability and reactivity

10.1 REACTIVITY
No specific test data related to reactivity available for this product or its ingredients.

10.2 CHEMICAL STABILITY
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to Section 7.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS
Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 CONDITIONS TO AVOID
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to Section 7.
Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5 INCOMPATIBLE MATERIALS
No further relevant information available.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS
Hazardous decomposition byproducts may form with exposure to high temperatures e.g.: Carbon dioxide (CO2), Carbon monoxide, smoke.

11. SECTION:
Toxicological information

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY
Based on available data, the classification criteria are not met.

LD50: oral (Rat): = 1.208 mg/kg
LC50: inhalative (Rat): = 1,08 mg/L (4 h)
LD50: dermal (Rat): = 2.000 mg/kg
LD50: oral (Rat): = 1.208 mg/kg
LC50: inhalative (Rat): = 1,08 mg/L (4 h)
LD50: dermal (Rat): = 2.000 mg/kg

SKIN CORROSION/IRRITATION
Based on available data, the classification criteria are not met.

SERIOUS EYE DAMAGE/EYE IRRITATION
Based on available data, the classification criteria are not met.

RESPIRATORY OR SKIN SENSITISATION
Based on available data, the classification criteria are not met.

CMR EFFECTS (CARCINOGENICITY, MUTAGENICITY AND TOXICITY FOR REPRODUCTION)
Based on available data, the classification criteria are not met.

STOT-SINGLE EXPOSURE
Based on available data, the classification criteria are not met.

STOT-REPEATED EXPOSURE
Based on available data, the classification criteria are not met.

ASPIRATION HAZARD
Based on available data, the classification criteria are not met.

PRACTICAL EXPERIENCE/HUMAN EVIDENCE
Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: Headache, Dizziness, fatigue, amyosthenia, Dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

12. SECTION:
Ecological information

12.1 TOXICITY
Based on available data, the classification criteria are not met.

ACUTE (SHORT-TERM) FISH TOXICITY
PYRIDINE-2-THIOL 1-OXIDE, SODIUM SALT
LC50: (Oncorhynchus mykiss (Rainbow trout)): = 0,007 mg/L (96 h)
Method: OECD 203

ACUTE (SHORT-TERM) TOXICITY TO ALGAE AND CYANOBACTERIA
PYRIDINE-2-THIOL 1-OXIDE, SODIUM SALT
NOEC (Selenastrum capricornutum): = 0,08 mg/L (72 h)
Method: OECD 201

PYRIDINE-2-THIOL 1-OXIDE, SODIUM SALT
EC50 (Selenastrum capricornutum): = 0,46 mg/L (72 h)
Method: OECD 201

ACUTE (SHORT-TERM) TOXICITY TO CRUSTACEA
PYRIDINE-2-THIOL 1-OXIDE, SODIUM SALT
EC50 (Daphnia magna (Big water flea)): = 0,022 mg/L (48 h)
Method: OECD 202

12.2 PERSISTENCE AND DEGRADABILITY
No information available.

12.3 BIOACCUMULATIVE POTENTIAL
Partition coefficient: n-octanol/water = 0

12.4 MOBILITY IN SOIL
No information available.

12.5 RESULTS OF PBT AND VPVB ASSESSMENT
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 OTHER ADVERSE EFFECTS
No information available.

13. SECTION:
Disposal considerations

13.1 WASTE TREATMENT METHODS

PRODUCT/PACKAGING DISPOSAL
Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

WASTE CODES/WASTE DESIGNATIONS ACCORDING TO EWC/AVV
The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

OTHER DISPOSAL RECOMMENDATIONS
Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

14. SECTION:
Transport information

14.1 UN NUMBER OR ID NUMBER
Not applicable

14.2 UNITED NATIONS PROPER SHIPPING NAME
LAND TRANSPORT (ADR/RID): No dangerous good in sense of these transport regulations.
SEA TRANSPORT (IMDG): No dangerous good in sense of these transport regulations.
AIR TRANSPORT (ICAO-TI/IATA-DGR): No dangerous good in sense of these transport regulations.

14.3 TRANSPORT HAZARD CLASS(ES)
Not applicable

14.4 PACKING GROUP
Not applicable

14.5 ENVIRONMENTAL HAZARDS
LAND TRANSPORT (ADR/RID): Not applicable
SEA TRANSPORT (IMDG): Not applicable

14.6 SPECIAL PRECAUTIONS FOR USERS
Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. Advices on safe handling: see parts 6 - 8.

14.7 ADDITIONAL INFORMATION
LAND TRANSPORT (ADR/RID): Not applicable
SEA TRANSPORT (IMDG): Not applicable
AIR TRANSPORT (ICAO-TI/IATA-DGR): Not applicable

15. SECTION:
Regulatory information

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

EU LEGISLATION

RESTRICTIONS OF OCCUPATION
Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable. Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

DIRECTIVE 2010/75/EU ON INDUSTRIAL EMISSIONS [INDUSTRIAL EMISSIONS DIRECTIVE]
VOC value: 0,052 g/l

DIRECTIVE 2012/18/EU ON THE CONTROL OF MAJOR-ACCIDENT HAZARDS INVOLVING DANGEROUS SUBSTANCES [SEVESO-IIIDIRECTIVE]
HAZARD CATEGORIES / NAMED DANGEROUS SUBSTANCES
This product is not classified according to Directive 2012/18/EU.

NATIONAL REGULATIONS
Observe in addition any national regulations.

15.2 CHEMICAL SAFETY ASSESSMENT
For the following substances of this mixture a chemical safety assessment has been carried out:

REACH NO.: 01-2119493385-28
SUBSTANCE NAME: Pyridine-2-thiol 1-oxide, sodium salt
CAS NO.: 3811-73-2

16. SECTION:
Other information

16.1 RELEVANT R-, H- AND EUH-PHRASES (NUMBER AND FULL TEXT)RELEVANT R-AND H-PHRASES (NUMBER AND FULL TEXT):

H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

16.2 CLASSIFICATION FOR MIXTURES AND USED EVALUATION METHOD ACCORDING TO REGULATION (EC) NO 1272/2008 [CLP]

Not applicable

16.3 ABBREVIATIONS AND ACRONYMS

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL: Occupational Exposure Limit Value
BLV: Biological limit values
CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging
CMR: Carcinogenic, Mutagenic and Reprotoxic
DIN: German Institute for Standardization / German industrial standard
DNEL: Derived No-Effect Level
EAKV: European Waste Catalogue Directive
EC: Effective Concentration
EC: European Community
EN: European Standard
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC CODE: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI: International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG CODE: International Maritime Code for Dangerous Goods
ISO: International Organization for Standardization
LC: Lethal Concentration
LD: Lethal Dose
MWC: Maximum workplace concentration
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD: Organisation for Economic Cooperation and Development
PBT: Persistent, bioaccumulative, toxic
PNEC: Predicted No Effect Concentration
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
UN: United Nations
VOC: Volatile Organic Compounds
VPVB: Very persistent and very bioaccumulative

NOTICE TO READER

IMPORTANT

The information contained in this safety data sheet is based on our current knowledge and on applicable law.
The information is not exhaustive.
Any use of the product for purposes other than that specified in the technical data sheet shall be carried out at the user's own risk, unless written confirmation has been obtained from us prior to use as to the suitability of the product for the specified purpose.
It is always the responsibility of the user to comply with the requirements laid down in national law. Always read the safety data sheet and the technical data sheet, if available.
According to our knowledge, the advice and statements about the product given from us are correct, but we have no control over the quality or condition of the substrate or the many factors that affect the use and application of the product. Therefore, unless otherwise stated in writing by us, we accept no responsibility for the performance of the product or for any loss or damage caused by the use of the product.
All products offered/delivered and technical advice are subject to our general terms and conditions. They should request a copy of these documents and review them thoroughly.
Subject to changes in this data sheet, as a result of new knowledge and our policy on ongoing development.
It is the responsibility of the user to verify that this data sheet is the latest issue before the product used.
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