SAFETY DATA SHEET

DRAFT VERSION

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture	Falu Rödfärg Original och Sprutfärg, röda kulörer
Registration number	-
Synonyms	Falu Rödfärg Röd * Falu Rödfärg Ljusröd * Falu Rödfärg utan linolja * Falu rödfärg Röd Sprut färg * Falu Rödfärg Ljusröd sprutfärg
Issue date	None.
Version number	00
Revision date	Draft version.
Supersedes date	-

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Professional painting outdoors. Consumer painting outdoors.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Supplier	Stora Kopparbergs Bergslags AB, Falu Rödfärg
Address	Krongårdsvägen 6, 791 61 Falun
Website	info@falurodfarg.com
	Sverige
Telephone number	+46 23 782325
1.4 Emergency telephone number	+44 20 35147487
Access code	334957

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms	None.
Signal word	None.
Hazard statements	
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention	
P102	Keep out of reach of children.
P260	Do not breathe dust/mist/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
Response	Not assigned.
Storage	Not assigned.
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental information on the label

EUH201 - Contains lead. Should not be used on surfaces liable to be chewed or sucked by children.

EUH208 - Contains Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, 3-iodo-2-propynyl butylcarbamate, 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.
The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Falu Rödfärg pigment	-	- -	01-2119703173-52-0000	-	
Classification:	Eye Irrit. 2;H319, Carc. 2;H351, Lact.;H362, Repr. 1A;H360, STOT RE 1;H372, Aquatic Acute 1;H400, Aquatic Chronic 2;H411				
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one	< 0,00148	55965-84-9 -	-	613-167-00-5	
Classification:	Acute Tox. 3;H301;(ATE: 100 mg/kg), Acute Tox. 2;H310;(ATE: 50 mg/kg), Acute Tox. 2;H330;(ATE: 0,5 mg/l), Skin Corr. 1C;H314, Eye Dam. 1;H318, Skin Sens. 1A;H317, Aquatic Acute 1;H400(M=100), Aquatic Chronic 1;H410(M=100)				B
Specific Concentration Limits:	Skin Corr. 1C;H314: C >= 0.6 %, Skin Irrit. 2;H315: 0.06 % <= C < 0.6 %, Eye Dam. 1;H318: C >= 0.6 %, Eye Irrit. 2;H319: 0.06 % <= C < 0.6 %, Skin Sens. 1A;H317: C >= 0.0015 %				

Constituents

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Diiron trioxide	<= 10	1309-37-1 215-168-2	-	-	
Feldspar-group minerals	< 5	68476-25-5 270-666-7	-	-	
Potassium oxide	< 0,5	12136-45-7 235-227-6	-	-	
Lead	< 0,3	7439-92-1 231-100-4	-	082-014-00-7	#
Lead oxide sulfate (main component of the Lead content)	-	12036-76-9 234-853-7	-	082-001-00-6	#
Quartz (respirable)	< 0,3	14808-60-7 238-878-4	-	-	#
Copper oxide	< 0,1	1317-38-0 215-269-1	-	029-016-00-6	
Zinc oxide	< 0,1	1314-13-2 215-222-5	-	030-013-00-7	

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

Composition comments

The full text for all H-statements is displayed in section 16.

This product is registered under the REACH Regulation 1907/2006 as a UVCB.

SECTION 4: First aid measures

General information

4.1. Description of first aid measures

Inhalation

In case of inhalation of spray mist: Move person into fresh air and keep at rest. Call a physician if symptoms develop or persist.

Skin contact

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if irritation develops and persists.

Eye contact

Flush eyes thoroughly with lukewarm water for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed May cause transient irritation. Exposure may cause temporary irritation, redness, or discomfort. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up This product is miscible in water. Prevent product from entering drains.

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.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece).

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling For outdoor use only. Avoid inhalation of dust or aerosols and contact with skin and eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities Keep out of reach of children. Keep away from food and drink. Store in a closed container. Do not allow material to freeze.

7.3. Specific end use(s) Professional painting outdoors.
Consumer painting outdoors.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

Constituents	Type	Value	Form
Lead (CAS 7439-92-1)	TWA	0,1 mg/m3	Inhalable dust.
		0,05 mg/m3	Respirable dust.
Lead oxide sulfate (main component of the Lead content) (CAS 12036-76-9)	TWA	0,1 mg/m3	Inhalable dust.
		0,05 mg/m3	Respirable dust.

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

Constituents	Type	Value	Form
Quartz (respirable) (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
Zinc oxide (CAS 1314-13-2)	TWA	5 mg/m3	Total dust.
Diiron trioxide (CAS 1309-37-1)	TWA	3,5 mg/m3	Respirable dust.

Product	Type	Value	Form
Dust	TWA	5 mg/m3	Inhalable dust.
		2,5 mg/m3	Respirable dust.

EU. Directive 98/24/EC: on the protection of workers from the risks related to chemical agents at work, Annex I List of Binding Occupational Exposure Limit Values

Constituents	Type	Value
Lead (CAS 7439-92-1)	TWA	0,15 mg/m3
Lead oxide sulfate (main component of the Lead content) (CAS 12036-76-9)	TWA	0,15 mg/m3

EU. OELs, Directive 2004/37/EC on carcinogen and mutagens from Annex III, Part A

Constituents	Type	Value	Form
Quartz (respirable) (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction and dust

Biological limit values

EU. Directive 98/24/EC: on the protection of workers from the risks related to chemical agents at work, Annex II Binding Biological Limit Values and Health Surveillance Measures

Constituents	Value	Determinant	
Lead (CAS 7439-92-1)	70 µg pb/100		
	70 µg/100 ml	Lead	Blood
Lead oxide sulfate (main component of the Lead content) (CAS 12036-76-9)	70 µg pb/100		
	70 µg/100 ml	Lead	Blood

Recommended monitoring procedures

The critical route of exposure is the inhalation of dust and therefore this exposure path is taken into consideration for occupational exposure and public exposure limits.

Derived no effect levels (DNELs)

General Population

Components	Value	Assessment factor	Notes
Falu Rödfärg pigment (CAS -)			
Long-term, Local, Dermal	100 µg/cm2		
Long-term, Systemic, Dermal	100 µg/kg bw/day		
Long-term, Systemic, Inhalation	100 µg/m3		
Long-term, Systemic, Oral	100 µg/kg bw/day		
Short-term, Local, Dermal	100 µg/cm2		
Short-term, Systemic, Dermal	100 µg/kg bw/day		
Short-term, Systemic, Inhalation	100 µg/m3		
Short-term, Systemic, Oral	100 µg/kg bw/day		

Workers

Components	Value	Assessment factor	Notes
Falu Rödfärg pigment (CAS -)			
Long-term, Local, Dermal	100 µg/cm2		
Long-term, Local, Inhalation	10 mg/m3		
Long-term, Systemic, Dermal	100 µg/kg bw/day		
Long-term, Systemic, Inhalation	10 mg/m3		
Short-term, Local, Dermal	100 µg/cm2		
Short-term, Local, Inhalation	100 µg/m3		
Short-term, Systemic, Dermal	100 µg/kg bw/day		
Short-term, Systemic, Inhalation	50 µg/m3		

Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
Falu Rödfärg pigment (CAS -)			
Freshwater	6,5 µg/l	3	
Marine water	3,4 µg/l	3	
Secondary poisoning	10,9 mg/kg	6	
Sediment (freshwater)	174 mg/kg	3	
Sediment (marine water)	164 mg/kg	3	
Soil	147 mg/kg		
STP	100 µg/l	10	

8.2. Exposure controls

Appropriate engineering controls Good general ventilation should be used. 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.

Individual protection measures, such as personal protective equipment

General information Personal protection 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). Eye protection should meet standard EN 166.

Skin protection

- Hand protection Wear suitable gloves tested to EN374. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier. Glove material: Nitrile rubber.

- Other Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN140 with Type P3 filter when handling the product during potentially dust-forming work step, as well as when spray painting.

Thermal hazards Not applicable.

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.

Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid.

Form Viscous liquid.

Colour Red. Light red.

Odour Not determined.

Melting point/freezing point > 1000 °C (> 1832 °F)

Boiling point or initial boiling point and boiling range Not determined.

Flammability This material will not burn.

Lower and upper explosion limit

Explosive limit - lower (%) Not determined.

Explosive limit – upper (%) Not determined.

Flash point Not determined.

Auto-ignition temperature Not determined.

Decomposition temperature Not determined.

pH 6 - 7

Kinematic viscosity Not determined.

Solubility

Solubility (water) Miscible/emulsifiable in water.

Partition coefficient n-octanol/water (log value) Not determined.

Vapour pressure Not determined.

Density and/or relative density

Density	Not determined.
Relative density	1,16 - 1,19 (20 °C)
Vapour density	Not determined.
Particle characteristics	
Particle size	Not applicable, material is a liquid.
9.2. Other information	
9.2.1. Information with regard to physical hazard classes	No relevant additional information available.
9.2.2. Other safety characteristics	No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Protect from moisture. Avoid contact with strong oxidising agents.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Inhalation	Vapours and mist may irritate throat and respiratory system and cause coughing.
Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed.
Symptoms	Exposure may cause temporary irritation, redness, or discomfort.

11.1. Information on toxicological effects

Acute toxicity	Lead is classified as acute toxic category 4, but tests indicate that lead is not acute toxic.

Toxicological data

Constituents	Species	Test Results
Lead (CAS 7439-92-1)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg
Inhalation		
LC50	Rat	> 5000 mg/m³
Oral		
LD50	Rat	> 2000 mg/kg
Zinc oxide (CAS 1314-13-2)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg, 24 Hours
Inhalation		
LC50	Rat	> 5700 mg/m3, 4 Hours
Oral		
LD50	Rat	> 5000 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 sensitisation	Based on available data, the classification criteria are not met.
Skin sensitisation	The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals.

Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity

Diiron trioxide (CAS 1309-37-1)	3 Not classifiable as to carcinogenicity to humans.
Lead (CAS 7439-92-1)	2B Possibly carcinogenic to humans.
Lead oxide sulfate (main component of the Lead content) (CAS 12036-76-9)	2A Probably carcinogenic to humans.
Quartz (respirable) (CAS 14808-60-7)	1 Carcinogenic to humans.

Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Mixture versus substance information	No information available.

11.2. Information on other hazards

Endocrine disrupting properties	The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other information	No other specific acute or chronic health impact noted.

SECTION 12: Ecological information

12.1. Toxicity Harmful to aquatic life with long lasting effects.

Constituents		Species	Test Results
Lead (CAS 7439-92-1)			
Aquatic			
Acute			
Algae	LC50	Pseudokirchneriella subcapitata	21,7 µg/l, 48 hours OECD 201
Crustacea	LC50	Ceriodaphnia dubia	28,8 µg/l, 48 hours OECD 202
Fish	LC50	Pimephales promelas	50 µg/l, 96 hours OECD 203
Chronic			
Algae	NOEC	Pseudokirchneriella subcapitata	11,9 µg/l Salt water
			6,2 µg/l Fresh water
Zinc oxide (CAS 1314-13-2)			
Aquatic			
Acute			
Algae	EC50	Selenastrum capricornutum	0,137 mg/l, 72 hours pH > 7 - 8.5
Crustacea	EC50	Ceriodaphnia dubia	0,413 mg/l, 48 hours pH < 7
Chronic			
Algae	NOEC	Pseudokirchneriella subcapitata	19 µg/l, 7 days pH 8.0
Crustacea	NOEC	Daphnia magna	82 µg/l, 7 days pH 6.0
Diiron trioxide (CAS 1309-37-1)			
Aquatic			
Crustacea	EC50	Daphnia magna	> 100 mg/l, 48 hours (OECD 202)
Fish	LC100/LC90	Danio rerio	> 10000 mg/l, 96 hours EU C.1

12.2. Persistence and degradability	The product contains inorganic compounds which are not biodegradable.
12.3. Bioaccumulative potential	The product is not bioaccumulating.
Partition coefficient n-octanol/water (log Kow)	Not available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

12.6. Endocrine disrupting properties	The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7. Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	
	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
20 01 27*	paint, inks, adhesives and resins containing hazardous substances
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
Hazard No. (ADR)	Not assigned.
Tunnel restriction code	Not assigned.
14.4. Packing group	Not assigned.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

RID

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
14.4. Packing group	Not assigned.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

ADN

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
14.4. Packing group	Not assigned.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

IATA

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.

14.3. Transport hazard class(es)

Class	Not assigned.
Subsidiary risk	-
14.4. Packing group	Not assigned.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

IMDG

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.

14.3. Transport hazard class(es)

Class	Not assigned.
Subsidiary risk	-
14.4. Packing group	Not assigned.
14.5. Environmental hazards	
Marine pollutant	No.
EmS	Not assigned.
14.6. Special precautions for user	Not assigned.
14.7. Maritime transport in bulk according to IMO instruments	Not established.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Lead oxide sulfate (main component of the Lead content) (CAS 12036-76-9)

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Copper oxide (CAS 1317-38-0)
Diiron trioxide (CAS 1309-37-1)
Lead (CAS 7439-92-1)
Lead oxide sulfate (main component of the Lead content) (CAS 12036-76-9)
Zinc oxide (CAS 1314-13-2)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Lead (CAS 7439-92-1)
Lead oxide sulfate (main component of the Lead content) (CAS 12036-76-9)

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Lead (CAS 7439-92-1)
Lead oxide sulfate (main component of the Lead content) (CAS 12036-76-9)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Quartz (respirable) (CAS 14808-60-7)

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations	The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.
National regulations	Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

TLV: Threshold Limit Value.
TWA: Time Weighted Average Value.
DNEL: Derived No-Effect Level.
PNEC: Predicted No-Effect Concentration.
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.
IATA: International Air Transport Association.
IMDG Code: International Maritime Dangerous Goods Code.
MARPOL: International Convention for the Prevention of Pollution from Ships.
STEL: Short-Term Exposure Limit.

References	ECHA CHEM
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any H-statements not written out in full under Sections 2 to 15	H301 Toxic if swallowed. H310 Fatal in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H351 Suspected of causing cancer. H360 May damage fertility or the unborn child by ingestion. H362 May cause harm to breast-fed children. H372 Causes damage to organs through prolonged or repeated exposure by inhalation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
This SDS contains revisions in the following section(s):	13
Training information	Follow training instructions when handling this material.
Disclaimer	Stora Enso cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.