SAFETY DATA SHEET



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

1.1. Product identifier

Name of the substance Rosin Ester

Trade name of the

SYLVALITE™ RE 100F

substance

Identification number232-479-9 (EC number)Registration number01-2119486685-21-0000

Synonyms None. SDS number 8840

 Product code
 20000000388

 Issue date
 27-March-2012

Version number 7,0

Revision date 14-June-2022 Supersedes date 25-September-2017

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

Industrial uses: Uses of substances as such or in preparations at industrial sites. Formulation

[mixing] of preparations and/or re-packaging (excluding alloys).

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company name

Kraton Chemical B.V.

Address Transistorstraat 16, 1322 CE Almere, The Netherlands

Phone +31 36 546 2800

Email address regulatory.eu@kraton.com

1.4. Emergency telephone EU NCEC +44 1865 407 333

number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The substance 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

This substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary May form explosible dust-air mixture if dispersed.

2.2. Label elements

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

Contains: Resin acids and Rosin acids, esters with pentaerythritol

Hazard pictograms None.

Signal word None.

Hazard statements The substance does not meet the criteria for classification.

Precautionary statements

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Supplemental label information None.

2.3. Other hazards May form explosible dust-air mixture if dispersed. 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.

Material name: SYLVALITE™ RE 100F

SECTION 3: Composition/information on ingredients

3.1. Substances

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Resin acids and Rosin acids, esters with pentaerythritol	99-100	8050-26-8	01-2119486685-21-0013 01-2119486685-21-0000 01-2119486685-21-0001	-	
Classification:	-				

List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

M: M-factor

vPvB: very persistent and very bioaccumulative substance. PBT: persistent, bioaccumulative and toxic substance.

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

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists. Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists. Eve contact

Rinse mouth. Get medical attention if symptoms occur. Ingestion 4.2. Most important symptoms Dusts may irritate the respiratory tract, skin and eyes.

and effects, both acute and

delayed

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

SECTION 5: Firefighting measures

General fire hazards May form combustible dust concentrations in air.

5.1. Extinguishing media

Suitable extinguishing

media

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

carefully to avoid creating airborne dust.

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

High concentration of airborne dust may form explosive mixture with air. Static charges generated by emptying package in or near flammable vapour may cause flash fire. During fire, gases hazardous to health may be formed. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

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

containers from fire area if you can do so without risk.

Specific methods

In case of fire and/or explosion do not breathe fumes. Wear suitable protective equipment. Move

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

Wear appropriate personal protective equipment.

personnel

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

SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

Material name: SYLVALITE™ RE 100F SDS EU

6.3. Methods and material for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Stop the flow of material, if this is without risk.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.

Never return spills to original containers for re-use.

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

Minimise dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Explosion-proof general and local exhaust ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Follow all SDS/label precautions even after container is emptied because they may retain product residues.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store at ambient temperature and atmospheric pressure. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Belgium. Exposure Limit Values Additional components	Туре	Value	Form
·			1 01111
Dust	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Bulgaria. OELs. Regulation No 1	3 on protection of workers aga	inst risks of exposure to che	mical agents at work
Additional components	Туре	Value	Form
Dust	TWA	3,5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Czech Republic. OELs. Governm	ent Decree 361		
Additional components	Type	Value	Form
Dust	TWA	5 mg/m3	Dust.
Estonia. OELs. Occupational Exp Additional components	Туре	Value	Form
Dust	TWA	5 mg/m3	Fine dust, respiratory
			fraction
		1 mg/m3	Total dust.
Finland			
Additional components	Туре	Value	
Dust	TWA	5 mg/m3	
		10 mg/m3	
France. Threshold Limit Values (VLEP) for Occupational Expos	sure to Chemicals in France, I	NRS ED 984
Additional components	Туре	Value	Form
Dust	VME	5 mg/m3	Respirable fraction.
Regulatory status: Regulat	ory binding (VRC)		
		10 mg/m3	Inhalable fraction.
Regulatory status: Regulat	ory binding (VRC)		

Material name: SYLVALITE™ RE 100F

8840 Version #: 7,0 Revision date: 14-June-2022 Issue date: 27-March-2012

in the Work Area (DFG) Additional components	Туре	Value	Form
Dust	TWA	4 mg/m3	Inhalable dust.
Germany. TRGS 900, Limit Values Additional components	in the Ambient Air at the Workp	lace Value	Form
 Dust	AGW	10 mg/m3	Inhalable fraction.
Just	NOW	1,25 mg/m3	Respirable fraction.
celand. OELs. Regulation 154/199 Additional components	9 on occupational exposure lim Type		Form
Dust	TWA	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
reland. Occupational Exposure Li	mite		
Additional components	Туре	Value	Form
 Dust	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
latria OFLa Casumatianal armas	limit values of about and aud	· ·	
Latvia. OELs. Occupational expos Additional components	ure limit values of chemical sub Type	stances in work environme Value	ent Form
Dust	TWA	5 mg/m3	Dust.
Lithuania. OELs. Limit Values for	Chemical Substances. General	Requirements	
Additional components	Туре	Value	Form
Dust	TWA	5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Netherlands		·	
Additional components	Туре	Value	Form
Dust	TWA (MAC)	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Slovakia. OELs. Regulation No. 30	0/2007 concerning protection of	health in work with chemi	cal agents
Additional components	Туре	Value	Form
Dust	TWA	10 mg/m3	Total
		10 mg/m3	Dust.
Slovenia. OELs. Regulations conc (Official Gazette of the Republic of		ainst risks due to exposure	e to chemicals while wo
Additional components	Туре	Value	Form
Dust	TWA	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.
Spain. Occupational Exposure Lim	nits		
Additional components	Туре	Value	Form
		3 mg/m3	Respirable fraction.
<u> </u>	TWA		
<u>-</u>	TWA	-	Inhalable fraction.
Dust		10 mg/m3	
Dust Sweden. OELs. Work Environment	t Authority (AV), Occupational E	10 mg/m3	
Dust Sweden. OELs. Work Environment Additional components	t Authority (AV), Occupational E	10 mg/m3 xposure Limit Values (AFS Value	2015:7) Form
Dust Sweden. OELs. Work Environment Additional components	t Authority (AV), Occupational E	10 mg/m3 xposure Limit Values (AFS Value 5 mg/m3	2015:7) Form Inhalable dust.
Oust Sweden. OELs. Work Environment Additional components Oust	t Authority (AV), Occupational E Type TWA	10 mg/m3 xposure Limit Values (AFS Value	2015:7) Form
Dust Sweden. OELs. Work Environment Additional components Dust Switzerland. SUVA Grenzwerte am	t Authority (AV), Occupational E Type TWA	10 mg/m3 xposure Limit Values (AFS Value 5 mg/m3	2015:7) Form Inhalable dust.
Dust Sweden. OELs. Work Environment Additional components Dust Switzerland. SUVA Grenzwerte am Additional components	t Authority (AV), Occupational E Type TWA Arbeitsplatz Type	10 mg/m3 xposure Limit Values (AFS Value 5 mg/m3 2,5 mg/m3 Value	2015:7) Form Inhalable dust. Respirable dust. Form
Dust Sweden. OELs. Work Environment Additional components Dust Switzerland. SUVA Grenzwerte am Additional components Dust	t Authority (AV), Occupational E. Type TWA Arbeitsplatz	10 mg/m3 xposure Limit Values (AFS Value 5 mg/m3 2,5 mg/m3 Value 3 mg/m3	2015:7) Form Inhalable dust. Respirable dust.
Dust Sweden. OELs. Work Environment Additional components Dust Switzerland. SUVA Grenzwerte am Additional components Dust	t Authority (AV), Occupational E. Type TWA Arbeitsplatz Type TWA	10 mg/m3 xposure Limit Values (AFS Value 5 mg/m3 2,5 mg/m3 Value	2015:7) Form Inhalable dust. Respirable dust. Form Respirable dust.
Dust Sweden. OELs. Work Environment Additional components Dust Switzerland. SUVA Grenzwerte am Additional components	t Authority (AV), Occupational E. Type TWA Arbeitsplatz Type TWA	10 mg/m3 xposure Limit Values (AFS Value 5 mg/m3 2,5 mg/m3 Value 3 mg/m3	2015:7) Form Inhalable dust. Respirable dust. Form Respirable dust.

Additional components Type Value **Form**

> 10 mg/m3 Inhalable dust.

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring

procedures

Follow standard monitoring procedures.

Derived no effect levels (DNELs)

General Population

Assessment factor Notes Components Value

Resin acids and Rosin acids, esters with pentaerythritol (CAS 8050-26-8)

Long-term, Systemic, Dermal 2.5 mg/kg bw/day 200 Repeated dose toxicity Long-term, Systemic, Oral 2,5 mg/kg bw/day 200 Repeated dose toxicity

Workers

Components Value Assessment factor Notes

Resin acids and Rosin acids, esters with pentaerythritol (CAS 8050-26-8)

Long-term, Local, Inhalation 10 mg/m3

5 mg/kg bw/day 100 Long-term, Systemic, Dermal Repeated dose toxicity

Predicted no effect concentrations (PNECs)

Components Value Assessment factor Notes

Resin acids and Rosin acids, esters with pentaerythritol (CAS 8050-26-8)

0,1 mg/l 1000 Freshwater Marine water 0,01 mg/l 10000

Sediment (freshwater) 2317,75 mg/kg Sediment (marine water) 231,78 mg/kg Soil 462,06 mg/kg STP 2,525 mg/l

8.2. Exposure controls

Appropriate engineering

controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) 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

10

established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Use personal protective equipment as required. Personal protection equipment should be chosen **General information**

according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

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

Skin protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove - Hand protection

supplier.

- Other Wear suitable protective clothing.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure

limits (where applicable) or to an acceptable level (in countries where exposure limits have not

been established), an approved respirator must be worn.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such Hygiene measures

as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Eye wash fountain and

emergency showers are recommended.

Environmental exposure

controls

Environmental manager must be informed of all major releases. 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 Solid.

Pastilles or Pellets, or Flakes. **Form**

Colour Light yellow Mild. Odour

Not available. Melting point/freezing point

Material name: SYLVALITE™ RE 100F SDS EU Boiling point or initial boiling

point and boiling range

Not available.

Not available. Flammability (solid, gas) Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

Flammability limit - upper

Not available.

(%)

Flash point > 295,0 °C (> 563,0 °F) Cleveland open cup

Auto-ignition temperature 399 °C (750,2 °F) **Decomposition temperature** Not available. Not available. Hq

Solubility(ies)

Solubility (water) 0,38 mg/l at 20°C Partition coefficient 3.6 at 20°C

(n-octanol/water)

< 0,001 mm Hg at 20°C Vapour pressure

Vapour density Not available.

1,08 OECD 105 at 25°C/25°C; (water=1) Relative density

Particle characteristics Not available.

Other safety characteristics

Chemical family Rosin Ester

1080,00 kg/m3 at 20°C **Density** 0 (n-BuAc=1) estimated **Evaporation rate**

Percent volatile 0 % estimated

Softening point 97 - 103 °C (206,6 - 217,4 °F) Ring & Ball

Specific gravity 1,08 at 25°C/25°C; (water=1)

100 % Weighted solids

SECTION 10: Stability and reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport. 10.1. Reactivity

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.

Strong oxidising agents. Keep away from heat, sparks and open flame. Contact with incompatible 10.4. Conditions to avoid

materials. Minimise dust generation and accumulation.

10.5. Incompatible materials Strong oxidising agents.

Upon decomposition this product emits acrid dense smoke with carbon dioxide, carbon monoxide. 10.6. Hazardous

water and other products of combustion. decomposition products

SECTION 11: Toxicological information

Not available. **General information**

Information on likely routes of exposure

Inhalation Dust may irritate respiratory system.

Skin contact No adverse effects due to skin contact are expected. Eve contact Direct contact with eyes may cause temporary irritation.

Resin acids and Rosin acids, esters with pentaerythritol Irritation Corrosion - Eye, No eye irritation.

Result: Negative

Species: New Zealand white rabbit

Organ: Eye Test Duration: 72 hr Observation Period: 7 days

Notes: OECD 405

May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of Ingestion

occupational exposure.

Symptoms Dusts may irritate the respiratory tract, skin and eyes.

11.1. Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Components Species **Test Results**

Resin acids and Rosin acids, esters with pentaerythritol (CAS 8050-26-8)

Acute **Dermal**

> 2000 mg/kg, 14 days At this dose no LD50 New Zealand white rabbit

death occurred.; OECD 402.

Rabbit > 2000 mg/kg, 24 Hours

Oral

> 2000 mg/kg LD50 Rat

> > 2000 mg/kg, 14 days At this dose no Sprague-Dawley rat

death occurred.; OECD 425

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Corrosivity

Resin acids and Rosin acids, esters with Irritation Corrosion - Skin, No skin irritation.

pentaerythritol Result: Negative

Species: New Zealand white rabbit

Organ: Skin Test Duration: 4 hr Observation Period: 72 hr

Notes: OECD 404

Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

Eye contact

Resin acids and Rosin acids, esters with

Irritation Corrosion - Eye, No eye irritation.

Result: Negative pentaerythritol

Species: New Zealand white rabbit

Organ: Eye

Test Duration: 72 hr Observation Period: 7 days

Notes: OECD 405

Respiratory sensitisation Not available.

Skin sensitisation This product is not expected to cause skin sensitisation.

Skin Sensitisation

pentaerythritol

Resin acids and Rosin acids, esters with Local Lymph Node Assay - Lowest Concentration Producing

Reaction, Not a skin sensitiser.

Result: Negative Species: Mouse Organ: Skin Notes: OECD 429

Maximisation assay (Magnusson and Kligman), Not a skin

sensitiser. Result: Negative Species: Guinea pig Organ: Skin Notes: OECD 406

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

carcinogenic.

Mutagenicity

Resin acids and Rosin acids, esters with

pentaerythritol

Germ Cell Mutagenicity: Ames, No data available to indicate

product or any components present at greater than 0,1% are

mutagenic or genotoxic.

Result: Negative

Species: Salmonella typhimurium

Notes: OECD 471

Germ Cell Mutagenicity: Chromosome Abberation, This material is considered to be non-clastogenic to human

lymphocytes in vitro. **Result:** Negative Species: Human Notes: OECD 473

In vitro gene mutation study in mammalian cells

Result: Negative Species: Mouse Notes: OECD 476

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not available.

Specific target organ toxicity -

repeated exposure

Not available.

Aspiration hazard

Not available.

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

Resin acids and Rosin acids, esters with pentaerythritol

Cytotoxicity - in Vitro, Not cytotoxic

Result: Negative Species: Human Organ: Fibroblasts cells Notes: BS 30993-5

Cytotoxicity - in Vitro, Not cytotoxic

Result: Negative Species: Human Organ: Lung cell tissue Notes: BS 5736

Cytotoxicity - in Vitro, Not cytotoxic

Result: Negative Species: Mouse Organ: Fibroblasts cells Test Duration: 72 hr Observation Period: 24 hr

Notes: BS 5736

SECTION 12: Ecological information

12.1. Toxicity 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.

Components Species Test Results

Resin acids and Rosin acids, esters with pentaerythritol (CAS 8050-26-8)

Αq	ua	lτι	С

Algae	EL50	Green algae (Selenastrum capricornutum)	> 1000 mg/l, 72 hr OECD 201
	NOEL	Green algae (Selenastrum capricornutum)	1000 mg/l, 72 hr OECD 201
Crustacea	EL50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hr OECD 202
	NOEC	Water flea (Daphnia magna)	1000 mg/l, 48 hr OECD 202
Fish	LL50	Fathead minnow (Pimephales promelas)	> 1000 mg/l, 96 hr OECD 203
	NOEL	Fathead minnow (Pimephales promelas)	1000 mg/l, 96 hr OECD 203

^{*} Estimates for product may be based on additional component data not shown.

12.2. Persistence and

The product is not readily biodegradable.

degradability

Biodegradability

Percent Degradation (Aerobic Biodegradation)

Resin acids and Rosin acids, esters with pentaerythritol 0 % OECD 301B

Result: Not readily biodegradable. Species: Activated sewage sludge

Test Duration: 28 days

12.3. Bioaccumulative potential

Partition coefficient

assessment

n-octanol/water (log Kow)

SYLVALITE™ RE 100F 3,6, at 20°C

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB

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

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 of 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.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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 available. **14.2. UN proper shipping** Not available.

name

14.3. Transport hazard class(es)

Class Not available.

Subsidiary risk -

Hazard No. (ADR) Not available.

Tunnel restriction code

14.4. Packing group Not available.

14.5. Environmental hazards No.

14.6. Special precautions Not available.

for user

RID

14.1. UN number Not available. **14.2. UN proper shipping** Not available.

name

14.3. Transport hazard class(es)

Class Not available.

Subsidiary risk

14.4. Packing group Not available.

14.5. Environmental hazards No.

14.6. Special precautions Not available.

for user

ADN

14.1. UN number Not available.14.2. UN proper shipping Not available.

name

14.3. Transport hazard class(es)

Class Not available.

Subsidiary risk -

14.4. Packing group Not available.

14.5. Environmental hazards No.

14.6. Special precautions Not available.

for user

IATA

14.1. UN number Not available.14.2. UN proper shipping Not available.

name

14.3. Transport hazard class(es)

Class Not available.

Subsidiary risk 14.4. Packing group

-Not available.

14.5. Environmental hazards No.

14.6. Special precautions Not available.

for user

Material name: SYLVALITE™ RE 100F

SDS EU

IMDG

14.1. UN number Not available.14.2. UN proper shipping Not available.

name

14.3. Transport hazard class(es)

Class Not available.

Subsidiary risk

14.4. Packing group Not available.

14.5. Environmental hazards

Marine pollutant

No.

EmS Not available.

14.6. Special precautions Not available.

for user

14.7. Transport in bulk Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

according to Annex II of MARPOL 73/78 and the IBC

Code

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 Not listed.

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

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

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, 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 Not listed.

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

Not listed.

Other EU regulations

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

Not listed.

Other regulations This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. The

product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation)

as amended.

National regulations Follow national regulation for work with chemical agents.

15.2. Chemical safety Chemical Safety Assessment has been carried out.

assessment

Water hazard class

AwSV WGK1

SECTION 16: Other information

List of abbreviations Not available.

References Not available.

Information on evaluation method leading to the classification of mixture

Full text of any H-statements not written out in full under Sections 2 to 15

None.

Revision information

Product and Company Identification: Product and Company Identification

SECTION 2: Hazards identification: 2.3. Other hazards

SECTION 8: Exposure controls/personal protection: Environmental exposure controls

SECTION 11: Toxicological information: Endocrine disrupting properties SECTION 12: Ecological information: 12,6. Endocrine disrupting properties SECTION 12: Ecological information: 12,5. Results of PBT and vPvB assessment

SECTION 16: Other information: Disclaimer

HazReg Data: Pacific Rim

GHS: Classification

Not applicable.

Follow training instructions when handling this material.

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