Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)

2020/878 - Europe



SAFETY DATA SHEET

Isonit 12/20/50

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

1.1 Product identifier

Product name : Sonit 12/20/50

Product description : Water-based roof coating.

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

Recommended use: Painting work

1.3 Details of the supplier of the safety data sheet

Manufacturer or Distributor

Tikkurila Oyj P.O. Box 53 FI-01301 VANTAA FINLAND

Telephone +358 20 191 2000

e-mail address of person : Tikkurila Oyj, responsible for this SDS : Product Safety,

e-mail: productsafety@tikkurila.com

1.4 Emergency telephone number

Telephone number : 112

(24h)

Supplier or Manufacturer

Telephone number : Tikkurila Oyj

+358 20 191 2000 (GMT +2) Mon-Fri 8-16

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Sens. 1, H317

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

2.2 Label elements

Hazard pictograms



Signal word : Warning

Hazard statements: H317 - May cause an allergic skin reaction.

Precautionary statements

General : Not applicable.

Version : 3 1/11

Date of issue/Date of revision 01.07.2022 Date of previous issue 03.06.2020.

Prevention: P261 - Avoid breathing mist/spray.

P280 - Wear protective gloves.

P284 - In case of inadequate ventilation wear respiratory protection.

: ▶302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

Storage : Not applicable.

Disposal : Not applicable.

Hazardous ingredients : 2-octyl-2H-isothiazol-3-one (OIT)

Supplemental label

elements

Response

: Marning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

Contains small amounts of sensitizing substances: 1,2-benzisothiazol-3(2H)-one (BIT), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-

isothiazol-3-one (3:1) (C(M)IT/MIT (3:1)).

Treated articles

This product contains a biocidal product for the preservation of the product during storage. Contains BIT, C(M)IT/MIT (3:1).

2.3 Other hazards

Other hazards which do not result in classification

: None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

			<u>Classification</u>	
Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Notes
2-butoxyethoxy)ethanol	REACH #: 01-2119475104-44 EC: 203-961-6 CAS: 112-34-5 Index: 603-096-00-8	≤3	Eye Irrit. 2, H319	-
propylidynetrimethanol	EC: 201-074-9 CAS: 77-99-6	≤0.3	Repr. 2, H361fd	-
1,2-benzisothiazol-3(2H)-one (BIT)	EC: 220-120-9 CAS: 2634-33-5	<0.05	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411	-
bronopol	REACH #: 01-2119980938-15 EC: 200-143-0 CAS: 52-51-7 Index: 603-085-00-8	≤0.036	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10)	-
terbutryn	EC: 212-950-5 CAS: 886-50-0	≤0.033	Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	-
2-octyl-2H-isothiazol-3-one (OIT)	EC: 247-761-7 CAS: 26530-20-1 Index: 613-112-00-5	≤0.019	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071	-
zinc pyrithione	REACH #: 01-2119511196-46 EC: 236-671-3 CAS: 13463-41-7 Index: 613-333-00-7	≤0.019	Acute Tox. 3, H301 Acute Tox. 2, H330 Eye Dam. 1, H318 Repr. 1B, H360D STOT RE 1, H372 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=10)	-
reaction mass of 5-chloro-2-methyl-	CAS: 55965-84-9	<0.0015	Acute Tox. 3, H301	-

Version : 3 2/11

2H-isothiazol-3-one and 2-methyl- 2H-isothiazol-3-one (3:1) (C(M)IT/ MIT (3:1)) Index: 613-167-00-5 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071 See Section 16 for the full text of the H statements
declared above.

03.06.2020.

Isonit 12/20/50

01.07.2022 Date of previous issue

Notes, if applicable, refer to Notes given in Annex VI of 1272/2008/EC.

Specific concentration limits and ATE-values

Ingredient name, Specific concentration limits, ATE value

√2-benzisothiazol-3(2H)-one (BIT) Skin Sens. 1, H317: C ≥ 0,05 %

Date of issue/Date of revision

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (C(M)IT/MIT (3:1))

Skin Corr. 1C, H314: $C \ge 0.6$ % Skin Irrit. 2, H315: 0.06 % $\le C < 0.6$ % Eye Dam. 1, H318: $C \ge 0.6$ %

Eye Irrit. 2, H319: $0.06 \% \le C < 0.6 \%$ Skin Sens. 1A, H317: $C \ge 0.0015 \%$

2-octyl-2H-isothiazol-3-one (OIT) Skin Sens. 1A, H317: C ≥ 0,0015 % Inhalation: ATE = 0.27 mg/L (dusts/mists)

Dermal: ATE = 311 mg/kg bw Oral: ATE = 125 mg/kg bw

zinc pyrithione

Inhalation: ATE = 0.14 mg/L (dusts/mists)

Oral: ATE = 221 mg/kg bw

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

General : In all cases of doubt, or when symptoms persist, seek medical attention. Show this

safety data sheet or label to the doctor if possible.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of

lukewarm water, keeping eyelids open. Continue to rinse for at least 15 minutes.

Get medical attention if symptoms occur.

Inhalation : Remove to fresh air. Keep person warm and at rest.

Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and

water or use recognized skin cleanser. Do NOT use solvents or thinners. Get

medical attention if symptoms occur.

Ingestion : **If** accidentally swallowed rinse the mouth with plenty of water (only if the person is

conscious) and obtain immediate medical attention. Remove to fresh air and keep

at rest in a position comfortable for breathing. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

Version : 3 3/11

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire. Recommended: Alcohol resistant foam, CO₂, powders or water spray/mist.

Unsuitable extinguishing media

: Do not use a direct water jet that could spread the fire.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: This product is not classified as flammable. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Hazardous combustion products

: When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

5.3 Advice for firefighters

Special protective actions for fire-fighters

: Use water spray to keep fire-exposed containers cool. Do not release runoff from fire to drains or watercourses.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Frovide adequate ventilation. Avoid breathing vapor or mist. Avoid direct skin contact with product. See Section 8 for information on appropriate personal protective equipment.

6.2 Environmental precautions

: Do not allow to enter drains, water courses or soil.

6.3 Methods and materials for containment and cleaning up

: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Preferably clean with water or detergent. Avoid using solvents.

6.4 Reference to other sections

See Section 1 for emergency contact information.
 See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Skin contact with the product and exposure to spray mist and vapor should be avoided. Avoid contact with skin and eyes. Avoid inhalation of dust from sanding. See Section 8 for information on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored. Wash hands before breaks and immediately after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

: Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Recommended storage temperature is +5°C ...+25°C. Do not allow to freeze. Store in accordance with local regulations.

7.3 Specific end use(s) : None.

Version : 3 4/11

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
☑ -(2-butoxyethoxy)ethanol	EU OEL (Europe, 10/2019). Notes: list of indicative occupational exposure limit values TWA: 67.5 mg/m³ 8 hours. TWA: 10 ppm 8 hours. STEL: 101.2 mg/m³ 15 minutes. STEL: 15 ppm 15 minutes.

Recommended monitoring

procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available.

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn (see Personal protection). Comply with the health and safety at work laws.

Individual protection measures

Eye/face protection

: Use safety eyewear (EN166), especially during spray-application.

Hand protection

: Mways wear approved protective gloves against chemicals. Gloves should be replaced regularly and if there is any sign of damage to the glove material. The instructions and information provided by the glove manufacturer on use, storage,

maintenance and replacement must be followed. Recommended glove material (EN374):

> 8 hours (breakthrough time): nitrile rubber

Not recommended: PVA gloves

Skin protection
Respiratory protection

: Wear suitable protective clothing.

: Fventilation during spray-application is inadequate, use respirators with

combination filter AP, gas/dust filter (EN405:2001). Wear a half mask or full face respirator with gas and vapor filter A and dust filter P2 during sanding (EN140:1998, EN405:2001). During continuous and long-term work the use of motor-driven or airfed respirators is recommended (EN12941:1998). Be sure to use an approved/ certified respirator or equivalent. Check that mask fits tightly and change filter

regularly.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid.
Color : Various
Odor : Mild.

Odor threshold : Not relevant for the hazard assessment of the product.

pH : 7 to 9

Melting point/freezing point : 0°C (water)

Initial boiling point and : 100°C (water)

boiling range

Version : 3 5/11

Date of issue/Date of revision 01.07.2022 Date of previous issue 03.06.2020.

Flash point : >100 °C

Evaporation rate: Not relevant due to the nature of the product.

Flammability (solid, gas) : Not applicable. Product is a liquid.

Upper/lower flammability or

explosive limits

: No flammable ingredients present.

Vapor pressure : 3.2 kPa [room temperature] (water)

Vapor density : Not relevant for the hazard assessment of the product.

Density : 1 to 1.3 g/cm³

Solubility(ies) : Miscible in water.

Partition coefficient: n-octanol/ : Not applicable.

water

Auto-ignition temperature: Not relevant due to the nature of the product.

Decomposition temperature : Not relevant for the hazard assessment of the product. **Viscosity** : Not relevant for the hazard assessment of the product.

Explosive properties : No explosive ingredients present.

Oxidizing properties : No oxidizing ingredients present.

Particle characteristics

Median particle size : Not applicable.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity : See Section 10.5.

10.2 Chemical stability : Stable under recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : Avoid extreme heat and freezing.

10.5 Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions:

oxidizing agents strong acids strong alkalis

10.6 Hazardous decomposition products

: When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

SECTION 11: Toxicological information

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

There is no testdata available on the product itself.

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Long term exposure to spray mist may produce respiratory tract irritation. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Acute toxicity

Version :3 6/11

Date	of issue/Date of revision	01.07.2022 Date of previous issue	03.06.2020.	lsonit 12/20/50	
	Product/ingredient name	Result	Species	Dose	Exposure
T ₁	no pyrithiono	LC50 Inhalation Dusts and	Dat	2.4 mg/l	1 houre

Product/ingredient name	Result	Species	Dose	Exposure
z ínc pyrithione	LC50 Inhalation Dusts and mists	Rat	2.4 mg/l	1 hours
	LC50 Inhalation Dusts and mists	Rat	0.61 mg/l	4 hours
	LC50 Inhalation Dusts and mists	Rat	0.84 mg/l	4 hours

Not classified.

Irritation/Corrosion

Not classified.

Sensitization

May cause an allergic skin reaction.

The product contains sensitizing substances mentioned in sections 2 and 3.

Mutagenicity

Not classified.

Carcinogenicity

Not classified.

Reproductive toxicity

Not classified.

Teratogenicity

Not classified.

Specific target organ toxicity (single exposure)

Not classified.

Specific target organ toxicity (repeated exposure)

Not classified.

Aspiration hazard

Not classified.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not applicable.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

For determing the aquatic toxicity the product has been tested.

The product has been classified according to point 4.1.3.3. (Classification of mixtures when toxicity data are available for the complete mixture) of Regulation (EC) 1272/2008 as amended.

The product is not classified as environmentally hazardous.

Do not allow to enter drains, water courses or soil.

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
sonit 12/20/50	EC50 >10 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	NOEC >1 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours

12.2 Persistence and degradability

Version: 3

Product/ingredient name	Test	Result		Dose		Inoculum
2-(2-butoxyethoxy)ethanol	-	92 % - 28	days	-		-
Product/ingredient name	Aquatic hal	f-life	Photolysis	<u> </u>	Biodeg	radability
eaction mass of 5-chloro- 2-methyl-2H-isothiazol- 3-one and 2-methyl-2H- isothiazol-3-one (3:1) (C(M) IT/MIT (3:1))	-		-		Readily	
zinc pyrithione	-		-		Not rea	dily
2-octyl-2H-isothiazol-3-one (OIT)	-		-		Not rea	dily
2-(2-butoxyethoxy)ethanol	-		-		Readily	

01.07.2022 Date of previous issue

03.06.2020.

lsonit 12/20/50

12.3 Bioaccumulative potential

Date of issue/Date of revision

Product/ingredient name	LogP _{ow}	Bioconcentration factor [BCF]	Potential
zínc pyrithione	0.9	11	low
2-octyl-2H-isothiazol-3-one (OIT)	2.45	-	low
terbutryn	3.74	-	low
bronopol	0.18	-	low
propylidynetrimethanol	-0.47	<1	low
2-(2-butoxyethoxy)ethanol	1	<3	low

12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting

properties

: Not applicable.

12.7 Other adverse effects : Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal

: Gather residues into waste containers. Liquid residue and cleaning liquids are hazardous waste and must not be emptied into drains or sewage system, but handled in accordance with national regulations. Product residues should be left at special companies which have permission for gathering this kind of wastes.

European waste catalogue (EWC)

Version : 3 8/11

Date of issue/Date of revision 01.07.2022 Date of previous issue 03.06.2020. Isonit 12/20/50

Waste code	Waste designation
Ø 8 01 12	waste paint and varnish other than those mentioned in 08 01 11

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

Packaging

Methods of disposal Empty packaging should be recycled or disposed of in accordance with national

regulations.

Special precautions : No additional information.

SECTION 14: Transport information

▼his product is not regulated for carriage according to ADR/RID, IMDG, IATA.

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	M ot regulated.
14.2 UN proper shipping name	~		/
14.3 Transport hazard class(es)			
14.4 Packing group			
14.5 Environmental hazards	M o.	₩o.	Mo.

user

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO

instruments

: Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Other EU regulations

: Not determined. **Europe inventory**

Persistent Organic Pollutants

Not listed.

VOC Directive : This product is in scope of Directive 2004/42/CE.

15.2 Chemical Safety **Assessment**

: This product contains substances for which Chemical Safety Assessments are still required.

Version: 3 9/11

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and

acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification **Justification**

Skin Sens. 1, H317 Calculation method

Full text of abbreviated H statements

: H301 Toxic if swallowed. H302 Harmful if swallowed. H310 Fatal in contact with skin. H311 Toxic in contact with skin. H312 Harmful in contact with skin.

H330 Fatal if inhaled.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage. Causes serious eye irritation. H319 H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. H360D May damage the unborn child.

Suspected of damaging fertility. Suspected of damaging the unborn child. H361fd Causes damage to organs through prolonged or repeated exposure. H372

Very toxic to aquatic life. H400

H410 Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. H411

EUH071 Corrosive to the respiratory tract.

Full text of classifications [CLP/GHS]

: Acute Tox. 2 **ACUTE TOXICITY - Category 2** Acute Tox. 3 **ACUTE TOXICITY - Category 3** Acute Tox. 4 **ACUTE TOXICITY - Category 4**

AQUATIC HAZARD (ACUTE) - Category 1 Aquatic Acute 1 AQUATIC HAZARD (LONG-TERM) - Category 1 Aquatic Chronic 1 Aquatic Chronic 2 AQUATIC HAZARD (LONG-TERM) - Category 2

Eye Dam. 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 Eve Irrit. 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

Repr. 1B TOXIC TO REPRODUCTION - Category 1B TOXIC TO REPRODUCTION - Category 2 Repr. 2 Skin Corr. 1 SKIN CORROSION/IRRITATION - Category 1 Skin Corr. 1C SKIN CORROSION/IRRITATION - Category 1C Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2

Skin Sens. 1 SKIN SENSITIZATION - Category 1 Skin Sens. 1A SKIN SENSITIZATION - Category 1A

STOT RE 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED

EXPOSURE) - Category 1

STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE

EXPOSURE) - Category 3

Date of issue/ Date of

revision

: 7/1/2022

Date of previous issue : 6/3/2020

Version : 3

Notice to reader

10/11 Version: 3

This Safety Data Sheet is prepared in accordance with Annex II (EU) No 878/2020 to Regulation (EC) No 1907/2006 (REACH). The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Version : 3 11/11