

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Isonit Gloss 12, 20, 50

Product no.

-

REACH registration number

Not applicable

Other means of identification

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

Relevant identified uses of the substance or mixture

Roofpaint

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

Iso Paint Nordic A/S
Tværvej 8
6640 Lunderskov
tlf: +45 7633 3114
fax: +45 76333115

Contact person

Eva Paulsen

E-mail

driftslab@isopaint.dk

SDS date

29-01-2014

SDS Version

1.1

1.4. Emergency telephone number

Use your national or local emergency number
See section 4 "First aid measures"

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product is not classified as dangerous.
See full text of H/R-phrases in section 2.2.

DPD/DSD Classification

-

-

2.2. Label elements

Hazard pictogram(s)

-

Signal word

-

Hazard statement(s)

-

Identity of the substances primarily responsible for the major health hazards

-

Safety**statement(s)**

General
Prevention

-

Wear respiratory protection. (P284)
Avoid breathing dust/fume/gas/mist/vapours/spray. (P261)

Response	-
Storage	-
Disposal	-

2.3. Other hazards

Additional labelling

Safety data sheet available on request. Contains 5-chlor-2-methyl-2H-isothiazol-3-on. May produce an allergic reaction.

Additional warnings

-

VOC

VOC-MAX: 40 g/l, MAXIMUM VOC CONTENT (A (WB)): 40 g/l.

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances

NAME: propane-1,2-diol
IDENTIFICATION NOS.: CAS-no: 57-55-6 EC-no: 200-338-0 REACH-no: 01-2011-9456809-23
CONTENT: 1-5%
DSD CLASSIFICATION: -
CLP CLASSIFICATION: -

NAME: Polyacrylsyre ammoniumsalt
IDENTIFICATION NOS.: CAS-no: 9003-01-4
CONTENT: <1%
DSD CLASSIFICATION: -
CLP CLASSIFICATION: -

NAME: bronopol
IDENTIFICATION NOS.: CAS-no: 52-51-7 EC-no: 200-143-0 Index-no: 603-085-00-8
CONTENT: <0.1%
DSD CLASSIFICATION: Xn; R21/22 Xi; R37/38-41 N; R50
CLP CLASSIFICATION: Acute tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, Aquatic Acute 1 H302, H312, H315, H318, H335, H400 (M = 10)

NAME: 5-chlor-2-methyl-2H-isothiazol-3-on
IDENTIFICATION NOS.: CAS-no: 55965-84-9 Index-no: 613-167-00-5
CONTENT: <0.001%
DSD CLASSIFICATION: T; R23/24/25 C; R34 R43 N; R50-53
CLP CLASSIFICATION: Acute tox. 3, Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H301, H311, H314, H317, H331, H400, H410

(*) See full text of H/R-phrases in chapter 16. Occupational limits are listed in section 8, if these are available.

Other informations

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

Inhalation

Get the injured person into fresh air. Make sure there is always someone with the injured person. Prevent shock by keeping the injured person warm and calm. If the person stops breathing, give mouth-to-mouth resuscitation. If unconscious, roll the injured person onto side with the top leg bent at both knee and hip. Call an ambulance.

Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.

Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

Burns

Rinse with water until the pain stops and continue for 30 minutes.

4.2. Most important symptoms and effects, both acute and delayed

Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

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

No special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

6.4. Reference to other sections

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original.

Storage temperature

NA

7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

According to EC-Regulation 1907/2006 (REACH)

propane-1,2-diol (EH40/2005)
Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m³
Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

DNEL / PNEC

DNEL (propane-1,2-diol): 158 mg/m³ - Exposure: Inhalation - Duration: Long term - systemic effect - Remarks: Workers
DNEL (propane-1,2-diol): 10 mg/m³ - Exposure: Inhalation - Duration: Long term - local effect - Remarks: Workers
DNEL (propane-1,2-diol): 50 mg/m³ - Exposure: Inhalation - Duration: Long term - systemic effect - Remarks: General population
DNEL (propane-1,2-diol): 10 mg/m³ - Exposure: Inhalation - Duration: Long term - local effect - Remarks: General population
DNEL (bronopol): 0,204 mg/kg - Exposure: Dermal - Duration: long term - systemic effect - Remarks: Workers
DNEL (bronopol): 1,789 mg/m³ - Exposure: Inhalation - Duration: long term - systemic effect - Remarks: Workers
DNEL (bronopol): 0,102 mg/kg - Exposure: Dermal - Duration: long term - systemic effect - Remarks: General population
DNEL (bronopol): 0,444 mg/kg - Exposure: Inhalation - Duration: long term - systemic effect - Remarks: General population

PNEC (propane-1,2-diol): 260 mg/l - Exposure: Water - Duration: Single - Remarks: Fresh water
PNEC (propane-1,2-diol): 26 mg/l - Exposure: Water - Duration: Single - Remarks: Marine water
PNEC (propane-1,2-diol): 183 mg/l - Exposure: Water - Duration: Continuous - Remarks: Intermittent releases
PNEC (propane-1,2-diol): 50 mg/kg - Exposure: Soil - Duration: Single
PNEC (bronopol): 0,0016 mg/l - Exposure: Water - Duration: Single - Remarks: Fresh water
PNEC (bronopol): 0,00016 mg/l - Exposure: Water - Duration: Single - Remarks: Marine water
PNEC (bronopol): 0,016 mg/l - Exposure: Water - Duration: Continuous - Remarks: Intermittent releases
PNEC (bronopol): 0,00232 mg/kg - Exposure: Soil - Duration: Single

8.2. Exposure controls

Compliance with the stated exposure limits values should be checked on a regular basis.

General recommendations

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

Appropriate technical measures

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment



Generally

Only CE-marked personal protection equipment should be used.

Respiratory Equipment

Recommended: S/SL, P1, White

Skin protection

No specific requirements.

Hand protection

Recommended: Nitrile rubber. . Breakthrough time: See the manufacturer's instructions

Eye protection

No specific requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Colour	Odour	pH	Viscosity	Density (g/cm ³)
Liquid	Various colours	Mild	-	-	1,23

Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	-	-
Data on fire and explosion hazards		
Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-	-	-
Explosion limits (Vol %)	Oxidizing properties	
-	-	
Solubility		
Solubility in water	n-octanol/water coefficient	
Soluble	-	
9.2. Other information		
Solubility in fat	Additional information	
-	N/A	

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section on "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidising agents, and strong catabolic agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance	Species	Test	Route of exposure	Result
Polyacrylsyre ammoniumsalt	Rat	LD50	Oral	2500 mg/kg
propane-1,2-diol	Rat	LD50	Oral	22000 mg/kg
propane-1,2-diol	Rabbit	LC50	Inhalation	317042 mg/m3
bronopol	Rat	LD50	Oral	> 5000 mg/kg
bronopol	Rabbit	LD50	Dermal	> 10000 mg/kg
5-chlor-2-methyl-2H-isothiazol...	Rat	LD50	Oral	53 mg/kg

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Test duration	Result
propane-1,2-diol	Fish	LC50	96 h	40613 mg/l
bronopol	Fish	LC50	96 h	9,1 mg/l
bronopol	Daphnia	EC50	48 h	1,6 mg/l
bronopol	Algae	EC50	72	5,9 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
propane-1,2-diol		Modified OECD Screening Test	81,7
bronopol	Yes	No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
propane-1,2-diol	No	-107	No data available
bronopol	No	1,65	No data available

12.4. Mobility in soil

propane-1,2-diol: Log Koc= -84,6549, Calculated from LogPow (). bronopol: Log Koc= 1,385035, Calculated from LogPow (High mobility potential.).

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

This product contains ecotoxic substances which can have damaging effects on water-organisms. This product contains substances which can cause undesirable long-term effects in the water environment, due to its poor biodegradability.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

This product is not covered by the regulations on dangerous waste.

Waste

EWC code

-

Specific labelling

-

Contaminated packing

No specific requirements.

SECTION 14: Transport information

Not listed as dangerous goods under ADR and IMDG regulations.

14.1 – 14.4

ADR/RID	14.1. UN number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group	Notes
IMDG	UN-no.	Proper Shipping Name	Class	PG*	EmS MP** Hazardous constituent

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

-

Demands for specific education

-

Additional information

-

15.2. Chemical safety assessment

No

SECTION 16: Other information'

Sources

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

Full text of H/R-phrases as mentioned in section 3

R34 - Causes burns.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitisation by skin contact.

R50 - Very toxic to aquatic organisms.

R53 - May cause long-term adverse effects in the aquatic environment.

R21/22 - Harmful in contact with skin and if swallowed.

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.

R37/38 - Irritating to respiratory system and skin.

H301 - Toxic if swallowed.

H302 - Harmful if swallowed.

H311 - Toxic in contact with skin.

H312 - Harmful in contact with skin.

H314 - Causes severe skin burns and eye damage.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H331 - Toxic if inhaled.

H335 - May cause respiratory irritation.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

Other symbols mentioned in section 2

-

Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

Eva Paulsen

Date of last essential change (First cipher in SDS version)

23-01-2014

Date of last minor change (Last cipher in SDS version)

29-01-2014