SAFETY DATA SHEET

Dropi

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	14.08.2014
Revision date	19.05.2021

1.1. Product identifier

Product name	Dropi
Article no.	1012042, 1012044, 1012046, 1012048

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

Use of the substance / mixture	AISE-P201 - Diswash product. Manual process.
The chemical can be used by the general public	Yes
The chemical is used by general public only	No

1.3. Details of the supplier of the safety data sheet

Company name	Tandur h.f.
Office address	Hesthals 12
Postcode	110
City	Reykjavík
Country	ICELAND
Telephone number	00354 510 1200
Email	tandur@tandur.is
Website	www.tandur.is

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: EMERGENCY# Telephone number: (+354)-543-2222 Description: POISON CENTER

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Skin Irrit. 2; H319

2.2. Label elements

Hazard pictograms (CLP)

Signal word	Warning
Hazard statements	H319 Causes serious eye irritation.
Precautionary statements	P264 Wash hands thoroughly after handling. P280 Wear protective gloves / eye protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice / attention.

2.3. Other hazards

PBT / vPvB	This product does not contain any PBT or vPvB substances.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Alcohols, C12-14, ethoxylated sulfates, sodium salts	CAS No.: 68891-38-3 EC No.: 500-234-8	Eye Dam. 1; H318 Skin Irrit. 2; H315 Aquatic Chronic 3; H412	3 - 10 % wt/wt	
Isotridecanolethoxylate	REACH Reg. No.: 02-2119552461-55-0000	Acute tox. 4; H302 Eye Dam. 1; H318	1 - 3 % wt/wt	
Diethanolamide	CAS No.: 68155-07-7 EC No.: 931-329-6	Skin Irrit. 2; H315 Eye Dam. 1; H318	1 - 3 % wt/wt	
Bronopol (INN)	CAS No.: 52-51-7 EC No.: 200-143-0 Index No.: 603-085-00-8	Acute tox. 4; H312; Acute tox. 4; H302; STOT SE 3; H335; Skin Irrit. 2; H315; Eye Dam. 1; H318; Aquatic Acute 1; H400; M-factor 10;	0.01 % wt/wt	

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Call a POISON CENTER or doctor/physician if you feel unwell. Show this SDS.

Inhalation	Unlikely route of exposure as the product does not contain volatile substances. Get medical attention if any discomfort continues.
Skin contact	Á ekki við við eðlilega notkun. If skin irritation occurs: Get medical advice/ attention.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention.
Ingestion	Rinse mouth thoroughly. Drink a few glasses of water or milk. Get immediate medical advice/attention.

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

Acute symptoms and effects	See further section 11.1 under "Potential Acute Effects"

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Carbon dioxide or dry powder. Water spray. Alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Not known.

5.3. Advice for firefighters

Personal protective equipment	Wear respiratory protection. Wear protective gloves / protective clothing / eye protection / face protection.
Fire fighting procedures	Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Hazardous combustion products	Not known.

6.2. Environmental precautions

Environmental precautionary measures	Avoid release to the environment. Dilute with plenty of water.

6.3. Methods and material for containment and cleaning up

6.4. Reference to other sections

Other instructions	See section 8 and 13 for further details.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Provide easy access to water supply and eye wash facilities.

Protective safety measures

Preventititve measures to protect the environment	Prevent the product to reach sewage water or drainage system undiluted or unneutralized. Collect spillage if possible.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs.

Conditions for safe storage

Requirements for storage rooms and vessels	Store in original container.

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Alcohols, C12-14, ethoxylated sulfates, sodium salts	CAS No.: 68891-38-3		
Isotridecanolethoxylate			
Diethanolamide	CAS No.: 68155-07-7		
Bronopol (INN)	CAS No.: 52-51-7		

8.2. Exposure controls

Limitation of exposure on workplace	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Protective gloves and goggles are recommended. An eye wash bottle must be available at the work site.

Precautionary measures to prevent exposure

Instruction on measures to prevent exposure	Secure access of workers to safety information.

Eye / face protection

Eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.

Hand protection

Hand protection	Rinse hands carefully after contact with the product. Use protective gloves for long term use.

Respiratory protection

Respiratory protection	Under normal conditions of use respiration protection should not be required.

Appropriate environmental exposure control

Environmental exposure controls	Should not reach sewage or drainage system undiluted or unneutralized.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Viscous liquid.
Colour	Straw.
Odour	Almost odourless.
pH	Status: In delivery state Value: ~ 8 Temperature: ~ 20 °C
Relative density	Value: = 1,0 g/ml Temperature: ~ 20 °C
Solubility in water	Fully miscible.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	The mixture is stable under normal storage and use conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions known under normal storage and use conditions.

10.4. Conditions to avoid

Conditions to avoid	None known under normal storage and use conditions.

10.5. Incompatible materials

Materials to avoid	None in particular.

10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products.

SECTION 11: Toxicological information

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

Substance	Alcohols, C12-14, ethoxylated sulfates, sodium salts
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Value:** ~ 4000 mg/kg **Animal test species:** Rat
Substance	Isotridecanolethoxylate
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Value:** ~ 500-2000 mg/kg **Animal test species:** Rat **Test reference:** OECD guideline 423
Substance	Diethanolamide
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Value:** > 5000 mg/kg **Animal test species:** Rat

Other information regarding health hazards

Inhalation	Not known.
Skin contact	Unlikely to be irritant in normal use.
Eye contact	Causes serious eye irritation.
Ingestion	No known chronic or acute health risks.
Mutagenicity	No information available on mixture. However, studies have not shown any indication of mutagenicity of individual substances in the mixture.
Carcinogenicity, other information	No information or data available on mixture. However, there is no evidence of carciogenicity on individual substances in the mixture.
Reproductive toxicity	No information or data available on mixture. However, studies have not shown any indication of reproductive toxicity for individual substances in the mixture.

11.2 Other information

SECTION 12: Ecological information

12.1. Toxicity

Substance	Alcohols, C12-14, ethoxylated sulfates, sodium salts
Aquatic toxicity, fish	**Value:** 1 - 10 mg/l **Test duration:** 96 h **Method:** LC50
Substance	Isotridecanolethoxylate
Aquatic toxicity, fish	**Value:** ~ 1 - 10 mg/l

	Species: Leuciscus idus
Substance	Diethanolamide
Aquatic toxicity, fish	**Value:** 1 - 1 mg/L **Test duration:** 96 h **Method:** LC50
Substance	Alcohols, C12-14, ethoxylated sulfates, sodium salts
Aquatic toxicity, algae	**Value:** 10 - 100 mg/l **Test duration:** 72 h **Method:** LC50
Substance	Isotridecanolethoxylate
Aquatic toxicity, algae	**Value:** ~ 1 - 10 mg/l **Test duration:** 72 h
Substance	Diethanolamide
Aquatic toxicity, algae	**Value:** 1 - 5 mg/L **Test duration:** 48 h **Method:** EC50
Substance	Alcohols, C12-14, ethoxylated sulfates, sodium salts
Aquatic toxicity, crustacean	**Value:** 1 - 10 mg/l **Test duration:** 48 h **Species:** Daphnia **Method:** EC50
Substance	Isotridecanolethoxylate
Aquatic toxicity, crustacean	**Value:** ~ 1 - 10 mg/l **Test duration:** 48 h
Substance	Diethanolamide
Aquatic toxicity, crustacean	**Value:** 5 - 15 mg/L **Test duration:** 72 h **Method:** EC 50

12.2. Persistence and degradability

Substance	Diethanolamide
Biodegradability	**Value:** > 95 % **Method:** MBAS (OECD Screening test)
Persistence and degradability, comments	No information available on mixture. However, individual substances are all classified as readily biodegradable.

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
Substance	Isotridecanolethoxylate

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.

12.6. Endocrine disrupting properties

12.7. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Avoid release to the environment. Dispose of waste and residues in accordance with local authority requirements.
Relevant waste regulation	Regulation no. 737/2003
EWC waste code	EWC: 200129 detergents containing dangerous substances
National regulations	Regulation 184/2002 Regulation 786/1999
Other information	Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Legislation and regulations	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2. Chemical safety assessment

Chemical safety assessment performed	No

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.
Abbreviations and acronyms used	CLP: Classification, labelling and packaging GHS: Globally Harmonized System. DNEL: Derived No Effect Limit (afleidd áhrifaleysismörk). PBT: Persistent, Bioaccumulative and Toxic PNEC: Predicted No Effect Concentration vPvB: Very Persistent and very Bioaccumulative REACH: Registration, Evaluation, Authorization and Restriction of Chemicals.
Information added, deleted or revised	19.05.2021: Section 2: Applicable precautionary statements were added. Section 3: List of ingredients updated.
Revision responsible	Alfred Aðalsteinsson (M.Sc. Chemistry); email: alfred@tandur.is
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