

## SAFETY DATA SHEET

## Distan 45

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	24.07.2015
Revision date	15.04.2024

**1.1. Product identifier**

Product name	Distan 45
Article no.	1410056, 1410058, 1410059, 1410055

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

Use of the substance / mixture	AISE-P314 - Surface disinfectant. Manual process. AISE-P315 - Yfirborðssóttgreinsir. Úðun og skolun, AISE-P811 - Sóttgreinsandi efni. Þokuúðun eða gösun. Hálfsjálfvirk aðferð.
The chemical can be used by the general public	No
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	Hesthál 12
Postcode	110
City	Reykjavík
Country	ICELAND
Telephone number	00354 510 1200
Email	<a href="mailto:tandur@tandur.is">tandur@tandur.is</a>
Website	<a href="http://www.tandur.is">www.tandur.is</a>

**1.4. Emergency telephone number**

Emergency telephone	Telephone number: 112 Description: NEYÐARNÚMER Telephone number: 543-2222
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Description: EITRUNARMIDSTÖÐ

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Skin Corr. 1B; H314  
Aquatic Acute 1; H400; M-factor 10  
Aquatic Chronic 2; H411

### 2.2. Label elements

#### Hazard pictograms (CLP)



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust / fume / gas / mist / vapours / spray.  
P264 Wash thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves / protective clothing / eye protection / face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor / physician.  
P321 Specific treatment (see on this label).  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.  
P405 Store locked up.  
P501 The contents and container are to be disposed of according to local regulations.

### 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
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N-(3-aminopropyl)  
-N-dodecylpropane-1,  
3-diamine

CAS No.: 2372-82-9  
EC No.: 219-145-8

Acute tox. 3; H301  
Skin Corr 1A; H314  
STOT RE2; H373  
Aquatic Acute 1; H400

1 - 5 % 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	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Skin contact	Flush skin thoroughly with water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately! Continue flushing during transport to hospital.
Ingestion	Rinse mouth thoroughly. Drink a few glasses of water or milk. Get immediate medical advice/attention.
Recommended personal protective equipment for first aid responders	Wear protective gloves / protective clothing / eye protection / face protection. See more in section 8.2

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

Acute symptoms and effects	May cause severe eye damage. See further section 11.1 under "Potential Acute Effects"
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### 4.3. Indication of any immediate medical attention and special treatment needed

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
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### 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

General measures	Stop leak if safe to do so.
Personal protection measures	Wear protective gloves / protective clothing / eye protection / face protection.
Hazardous combustion products	Not known.
For emergency responders	Wear protective clothing as described in Section 8 of this safety data sheet. Call a POISON CENTER or doctor/physician if you feel unwell.

## 6.2. Environmental precautions

Environmental precautionary measures	Avoid release to the environment. Collect and dispose of spillage as indicated in section 13.
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## 6.3. Methods and material for containment and cleaning up

Cleaning method	Absorb with sand or other inert absorbent.
Containment	Store in a closed container.

## 6.4. Reference to other sections

Other instructions	See section 8 and 13 for further details.
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# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Handling	Provide easy access to water supply and eye wash facilities.
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## Protective safety measures

Preventitive measures to protect the environment	Prevent the product to reach sewage water or drainage system undiluted or unneutralized. Collect spillage if possible.
Advice on general occupational hygiene	Private clothes and working clothes should be kept separately.

## 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. Keep container tightly closed. Keep in original container. Store in a well-ventilated place.
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## Conditions for safe storage

Requirements for storage rooms and vessels	Keep only in original container.
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## 7.3. Specific end use(s)

# SECTION 8: Exposure controls / personal protection

## 8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
N-(3-aminopropyl)-N-dodecylpropane-1,	CAS No.: 2372-82-9		

3-diamine

## 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.

### Safety signs



## Precautionary measures to prevent exposure

Instruction on measures to prevent exposure

Secure access of workers to safety information.

Organisational measures to prevent exposure

Avoid direct contact and/or splashes where possible. Train personnel.

Technical measures to prevent exposure

Where possible: use through foam systems and cover open containers. Use safety glasses/goggles and protective clothing.

## Eye / face protection

Eye protection

Use approved safety glasses, goggles or face shield. Safety glasses should have side shields.

Suitable eye protection

Safety glasses should have side shields.

Additional eye protection measures

Provide easy access to water supply and eye wash facilities.

Reference to relevant standard

EN 166

## Hand protection

Hand protection

Chemical resistant gloves required for prolonged or repeated contact.

Skin- / hand protection, long term contact

Butylrubber:  
Penetration time:  $\geq 480$  min  
Material thickness:  $\geq 0,7$  mm

Suitable gloves type

Butyl rubber. Nitrile. Chloroprene rubber. Polyvinyl chloride (PVC). Rubber (natural, latex).

Thickness of glove material

Value:  $\geq 0,4$  mm

Reference to relevant standard

Chemical-resistant protective gloves (EN 374).

## Skin protection

Skin protection (except hands)

No special precautions.

## 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.
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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Clear liquid.
Colour	Clear
Odour	Pungent.
pH	Value: 7 - 8 Method: undiluted Temperature: ~ 20 °C
Vapour density	Comments: Not determined.
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.
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### 10.2. Chemical stability

Stability	The mixture is stable under normal storage and use conditions.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions known under normal storage and use conditions.
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### 10.4. Conditions to avoid

Conditions to avoid	None known under normal storage and use conditions.
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### 10.5. Incompatible materials

Materials to avoid	Acid reactive.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products.
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## SECTION 11: Toxicological information

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

Substance	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
Acute toxicity	<b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Oral <b>Value:</b> > 50 mg/kg <b>Animal test species:</b> Rat  <b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Dermal <b>Value:</b> > 2000 mg/kg <b>Animal test species:</b> Rat <b>Test reference:</b> OECD 402 (EU B.3)

### Other information regarding health hazards

Inhalation	Not known.
Skin contact	Corrosive to skin.
Eye contact	Corrosive. Risk of serious damage to eyes. Immediate first aid is necessary.
Ingestion	May be harmful if swallowed.
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 carcinogenicity on individual substances in the mixture.
Reproductive toxicity	No information.

## 11.2 Other information

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
Aquatic toxicity, fish	<b>Value:</b> 0,45 mg/l <b>Test duration:</b> 96 h <b>Species:</b> Lepomis macrochirus <b>Method:</b> OPP 72-1, static (EPA) <b>Test reference:</b> LC50
Substance	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
Aquatic toxicity, algae	<b>Value:</b> 0,054 mg/l <b>Test duration:</b> 96 h <b>Species:</b> Pseudokirchneriella subcapitata <b>Method:</b> US-EPA 1994 <b>Test reference:</b> Er C50
Substance	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
Aquatic toxicity, crustacean	<b>Value:</b> 0,073 mg/l <b>Test duration:</b> 48 h <b>Species:</b> Daphnia magna Straus

**Method:** EPA-OPPTS  
**Test reference:** EC50

## 12.2. Persistence and degradability

Persistence and degradability description/evaluation	The mixture contains only chemicals that are easily decomposed chemicals. Such as N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine which categorizes as easily biodegraded according to OECD 301D tests.
Persistence and degradability, comments	No information available on mixture. However, 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.
vPvB evaluation results	No data available on mixture. Contains no PBT or vPvB substances. See section 2.3

## 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
Hazardous waste product	Avoid release to the environment.
Hazardous waste packing	Avoid release to the environment.
EWC waste code	EWC waste code: 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

Dangerous goods	Yes
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## 14.1. UN number

ADR/RID/ADN	3082
IMDG	3082
ICAO/IATA	3082

## 14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
ICAO/IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

## 14.3. Transport hazard class(es)

ADR/RID/ADN	9
Classification code ADR/RID/ADN	M6
IMDG	9
ICAO/IATA	9

## 14.4. Packing group

ADR/RID/ADN	III
IMDG	III
ICAO/IATA	III

## 14.5. Environmental hazards

IMDG Marine pollutant	Yes
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## 14.6. Special precautions for user

## 14.7. Maritime transport in bulk according to IMO instruments

Product name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
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## Additional information

Hazard label ADR/RID/ADN	9
Hazard label IMDG	9
Hazard label ICAO/IATA	9

## ADR/RID Other information

Tunnel restriction code	-
Transport category	3
Hazard No.	90
Other applicable information ADR/RID	90

## IMDG Other information

EmS	F-A, S-F
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## SECTION 15: Regulatory information

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

Legislation and regulations	<p>This safety datasheet is in compliance with the following EU legislation and its adaptations - as far as applicable:</p> <p>Regulation 1907/2006 and later 750/2008 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Amendments on Annex II of the REACH regulation with EU regulation 453/2010.</p> <p>Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures which replaces EU legislations 67/548/EEC and 1999/45/EC and changes regulation No. 1907/2006.</p>
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### 15.2. Chemical safety assessment

Chemical safety assessment performed	No
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## SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	<p>H301 Toxic if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure</p> <p>H400 Very toxic to aquatic life.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
Abbreviations and acronyms used	<p>CLP: Classification, labelling and packaging</p> <p>GHS: Globally Harmonized System.</p> <p>DNEL: Derived No Effect Limit (afleidd áhrifaleysismörk).</p> <p>PBT: Persistent, Bioaccumulative and Toxic</p> <p>PNEC: Predicted No Effect Concentration</p> <p>vPvB: Very Persistent and very Bioaccumulative</p> <p>REACH: Registration, Evaluation, Authorization and Restriction of Chemicals.</p>
Information added, deleted or revised	Section 2.2: Reevaluation of ingredients changed the hazard and precautionary statements from previous versions. Furthermore, multiple phrases were changed from Icelandic to English in various sections. Section 1: Article numbers updated.
Revision responsible	Brynleifur Björnsson (M.Sc. Pharm.) brynleifur@tandur.is
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