

SAFETY DATA SHEET

# Fortynder 954

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

1.1. Product identifier Trade name Fortynder 954 Unique formula identifier (UFI) W2Y0-J0U3-N003-C0SY 1.2. Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture Thinner ▼ Uses advised against None known. 1.3. Details of the supplier of the safety data sheet Company and address Dana Lim A/S Københavnsvej 220 DK-4600 Køge Denmark Tel: +45 56 64 00 70 Contact person Product Safety Department E-mail info@danalim.dk Revision 16/12/2022 **SDS Version** 3.0 Date of previous version 19/03/2021 (2.0) 1.4. Emergency telephone number Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapour.
Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.
Acute Tox. 4; H312, Harmful in contact with skin.
Skin Irrit. 2; H315, Causes skin irritation.
Eye Irrit. 2; H319, Causes serious eye irritation.
Acute Tox. 4; H332, Harmful if inhaled.
STOT SE 3; H335, May cause respiratory irritation.
STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.
2.2. Label elements

Hazard pictogram(s)



Signal word Danger ▼ Hazard statement(s)



Flammable liquid and vapour. (H226) May be fatal if swallowed and enters airways. (H304) Harmful in contact with skin or if inhaled. (H312+H332)	
Causes skin irritation. (H315)	
Causes serious eye irritation. (H319)	
May cause respiratory irritation. (H335)	
May cause damage to organs through prolonged or repeated exposure. (H373)	
Safety statement(s)	
▼ General	
If medical advice is needed, have product container or label at hand. (P101) Keep out of reach of children. (P102)	
▼ Prevention	
Do not breathe vapour/mist. (P260)	
Use only outdoors or in a well-ventilated area. (P271)	
Response IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310) Get medical advice/attention if you feel unwell. (P314)	
▼ Storage	
Store locked up. (P405)	
▼ Disposal	
Dispose of contents/container in accordance with local regulation . (P501)	
▼ Hazardous substances	
reaction mass of ethylbenzene and xylene	
acetone	
▼ Additional labelling	
UFI: W2Y0-J0U3-N003-C0SY	
2.3. Other hazards	

# ▼ Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

## 3.1. ▼ Substances

Not applicable. This product is a mixture.

## 3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
reaction mass of ethylbenzene and xylene	e CAS No.: EC No.: 905-588-0 UK-REACH: Index No.:	80-95%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 STOT RE 2, H373	[1]
acetone	CAS No.: 67-64-1 EC No.: 200-662-2 UK-REACH: Index No.: 606-001-00-8	15-25%	EUH066 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

## ▼ Other information

[1] European occupational exposure limit.



## 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 persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

## Ingestion

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

#### IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

## 5.2. ▼ Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

#### Carbon oxides (CO / CO2)

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures



## 6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

Avoid direct contact with spilled substances.

Avoid inhalation of vapours from spilled material.

## 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

## 6.3. ▼ Methods and material for containment and cleaning up

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. ▼ Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

## 7.1. ▼ Precautions for safe handling

Ground and bond container and receiving equipment. Use explosion-proof [electrical/lighting/ventilating] equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid direct contact with the product. Smoking, drinking and consumption of food is not allowed in the work area. See section 8 "Exposure controls/personal protection" for information on personal protection.

# 7.2. ▼ Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Take action to prevent static discharges.

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

## Recommended storage material

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

#### ▼ Storage temperature

No specific requirements

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

## 7.3. ▼ Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

#### 8.1. ▼ Control parameters

reaction mass of ethylbenzene and xylene Long term exposure limit (8 hours) (ppm): 50 Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 220 Short term exposure limit (15 minutes) (ppm): 100 Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 441 Annotations: BMVG = Biological Monitoring Guidance Value exists

Sk = Can be absorbed through the skin and lead to systemic toxicity.

acetone Long term exposure limit (8 hours) (ppm): 500 Long term exposure limit (8 hours) (mg/m³): 1210

Short term exposure limit (15 minutes) (ppm): 1500

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 3620

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

▼ DNEL

acetone



Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	62 mg/kg/day
Long term – Systemic effects - Workers	Dermal	186 mg/kg/day
Long term – Systemic effects - General population	Inhalation	200 mg/m3
Long term – Systemic effects - Workers	Inhalation	1.210 mg/m3
Short term – Local effects - Workers	Inhalation	2.420 mg/m3
Long term – Systemic effects - General population	Oral	62 mg/kg/day

## ▼ PNEC

acetone		
Route of exposure	Duration of Exposure	PNEC
Freshwater		10,6 mg/l
Freshwater sediment		3,04 mg/kg
Marine water		1,06 mg/l
Sewage treatment plant		29,5 mg/kg
Soil		33,3 mg/l
Water		21 mg/l

## 8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

# General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

## Exposure scenarios

There are no exposure scenarios implemented for this product.

## Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

## ▼ Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

## ▼ Hygiene measures

Take off contaminated clothing and wash it before reuse.

# Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

# 8.3. Individual protection measures, such as personal protective equipment

#### ▼ Generally

Use only UKCA marked protective equipment.

## Respiratory Equipment

Туре	Class	Colour	Standards	
Breathing apparatus with a compressor and mask-hood			EN12941, EN12942	
kin protection				
Recommended	Type/Category	Si	tandards	
Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.	-	-		R



Material	Glove thickness (mm)	Breakthrough time (min.)	Standards				
4H	0,068 - 0,084	>480	EN374-2, EN374-3, EN388				
Eye protection							
Туре	Standards						
Wear safety glasses with side shields.	EN166			$\bigcirc$			
SECTION 9: Physical and	d chemical properties						
<ul> <li>Physical state Liquid</li> <li>Colour Clear</li> <li>✓ Odour / Odour three Testing not releva</li> <li>✓ pH Testing not releva</li> <li>✓ Density (g/cm<sup>3</sup>) 0.8</li> <li>✓ Kinematic viscosity Testing not releva</li> <li>Particle characteristic Does not apply to</li> <li>Phase changes</li> <li>✓ Melting point/Freez Testing not releva</li> </ul>	nt or not possible due to th nt or not possible due to th nt or not possible due to th s liquids. ting point (°C) nt or not possible due to th	e nature of the product. e nature of the product. e nature of the product.					
Does not apply to Vapour pressure Testing not releva Relative vapour der Testing not releva Decomposition ter	nt or not possible due to th nsity nt or not possible due to th	e nature of the product.					
Data on fire and explosion ▼ Flash point (°C) 20	•						
<ul> <li>Auto-Ignition (°C)         Testing not relevant or not possible due to the nature of the product.</li> <li>Flammability (°C)         Testing not relevant or not possible due to the nature of the product.</li> <li>Lower and upper explosion limit (% v/v)         Testing not relevant or not possible due to the nature of the product.</li> </ul>							
Solubility ▼ Solubility in water Completely soluble ▼ n-octanol/water cond Testing not releva ▼ Solubility in fat (g/L	e efficient nt or not possible due to th	e nature of the product.					



## 9.2. Other information

 Other physical and chemical parameters No data available.

SECTION 10: Stability and reactivity

## 10.1. ▼ Reactivity

No data available.

## 10.2. ▼ Chemical stability

- The product is stable under the conditions, noted in section 7 "Handling and storage".
- 10.3. ▼Possibility of hazardous reactions
- None known.
- 10.4. Conditions to avoid Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

## 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing 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 hazard classes as defined in Regulation (EC) No 1272/2008

#### ▼ Acute toxicity

Acute toxicity	
Product/substance Test method	acetone
Species	Rat
Route of exposure	Oral
Test	LD50
Result	5800 mg/kg ·
Other information	Soot my/kg '
Product/substance	acetone
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>7.400 mg/kg ·
Other information	
Product/substance	acetone
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	32 mg/l ·
Other information	
Product/substance	acetone
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	15.800 ·
Other information	
Droduct/cubstance	acatana
Product/substance	acetone
Test method	Dat
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	76 ·



Other information

Harmful in contact with skin. Harmful if inhaled.

# Skin corrosion/irritation

Causes skin irritation.

# Serious eye damage/irritation

Causes serious eye irritation.

## Respiratory sensitisation

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

## Skin sensitisation

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

## Germ cell mutagenicity

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

## Carcinogenicity

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

#### Reproductive toxicity

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

## STOT-single exposure

May cause respiratory irritation.

## STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

## 11.2. Information on other hazards

## Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure. Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

## Endocrine disrupting properties

None known.

## Other information

reaction mass of ethylbenzene and xylene has been classified by IARC as a group 3 carcinogen.

## SECTION 12: Ecological information

12.1. ▼Toxicity	
Product/substance Test method	acetone
Species Compartment	Algae
Duration	96 hours
Test	NOEC
Result	7.000 mg/l ·
Other information	
Product/substance Test method	acetone
Species Compartment	Daphnia
Duration	28 days
Test	NOEC
Result	2.212 mg/l ·
Other information	
Product/substance Test method	acetone
Species Compartment	Fish



	96 hours
	LC50
	5.540 mg/l, Oncorhynchus mykiss ·
Other information	
Product/substance Test method	acetone
	Fish
Compartment	
	96 hours
	LC50
Result Other information	> 100 mg/l, Pimephales promelas ·
Product/substance Test method	acetone
	Crustacean
Compartment	
	48 hours
	EC50
Result Other information	8.800 mg/l, Daphnia magna ·
12.2. ▼Persistence and deg	
	acetone
Biodegradable Test method	Yes
Result	
Test method Potential bioaccumulation LogPow	acetone
12.4. ▼ Mobility in soil No data available.	
<ol> <li>Results of PBT and vPv This mixture/product doe vPvB.</li> </ol>	/B assessment es not contain any substances considered to meet the criteria classifying them as PBT and/or
12.6. ▼Endocrine disrupting None known.	
12.7. ▼Other adverse effect None known.	ts
SECTION 13: Disposal consi	iderations
▼ Waste treatment methods	s e regulations on hazardous waste.

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

08 04 09\* Waste adhesives and sealants containing organic solvents or other dangerous substances

▼ Specific labelling

Not applicable.

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.



SECTION 14: Transport information							
	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information	
ADR	1263	PAINT RELATED MATERIAL	Class: 3 Labels: 3 Classification code: F1	Π	No	Limited quantities: 5 L Tunnel restriction code: 2 (D/E) See below for additional information.	
IMDG	1263	PAINT RELATED MATERIAL	Class: 3 Labels: 3 Classification code: F1	Π	No	Limited quantities: 5 L EmS: F-E S-E See below for additional information.	
ΙΑΤΑ	1263	PAINT RELATED MATERIAL	Class: 3 Labels: 3 Classification code: F1	II	No	See below for additional information.	

## \* Packing group

\*\* Environmental hazards

Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

14.6. ▼ Special precautions for user

- Not applicable.
- 14.7. ▼ Maritime transport in bulk according to IMO instruments

No data available.

**SECTION 15: Regulatory information** 

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

Restrictions for application

People under the age of 18 shall not be exposed to this product. Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

▼ Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

P5a - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 10 tonnes / (upper-tier): 50 tonnes

- Regulation on drug precursors acetone is included (Category 3)
- ▼ Regulation on explosives precursors acetone (Annex II)

## Additional information

Tactile warning.

If this product is sold in retail, it must be delivered with child-resistant fastening.

▼ Sources



The Management of Health and Safety at Work Regulations 1999. The Health and Safety at Work etc. Act 1974 Regulations 2013. Control of Major Accident Hazards (COMAH) Regulations 2015. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. The Controlled Drugs (Drug Precursors) Regulations 2008. Council Regulation (EC) No 2019/1148 on explosives precursors as retained and amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law. 15.2. Chemical safety assessment No SECTION 16: Other information ▼ Full text of H-phrases as mentioned in section 3 EUH066, Repeated exposure may cause skin dryness or cracking. H225, Highly flammable liquid and vapour. H226, Flammable liquid and vapour. H304, May be fatal if swallowed and enters airways. H312, Harmful in contact with skin. H315, Causes skin irritation. H319, Causes serious eye irritation. H332, Harmful if inhaled. H335, May cause respiratory irritation. H336, May cause drowsiness or dizziness. H373, May cause damage to organs through prolonged or repeated exposure. Abbreviations and acronyms ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor CAS = Chemical Abstracts Service CE = Conformité Européenne CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] CSA = Chemical Safety Assessment CSR = Chemical Safety Report DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EINECS = European Inventory of Existing Commercial chemical Substances ES = Exposure Scenario EUH statement = CLP-specific Hazard statement EWC = European Waste Catalogue GHS = Globally Harmonized System of Classification and Labelling of Chemicals IARC = International Agency for Research on Cancer (IARC) IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) OECD = Organisation for Economic Co-operation and Development PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail RRN = REACH Registration Number SCL = A specific concentration limit SVHC = Substances of Very High Concern STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-SE = Specific Target Organ Toxicity - Single Exposure TWA = Time weighted average UN = United Nations UVBC = Unknown or variable composition, complex reaction products or of biological materials



VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

▼ Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law. The classification of the mixture in regard to physical hazards has been based on experimental data.

▼ The safety data sheet is validated by

Product Safety Department

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

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.

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.

Country-language: GB-en