

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Kontakthærder 924

Product no.

924

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

NA

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

Dana Lim A/S
Københavnsvej 220
DK-4600 Køge
Denmark
phone: +45 56 64 00 70
fax: +45 56 64 00 90

Contact person

Product Safety Department

E-mail

info@danalim.dk

SDS date

26-11-2014

SDS Version

1.0

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

Resp. Sens. 1, Eye Irrit. 2, STOT SE 3, Flam. Liq. 3 // H336, H334, H319, H226

See full text of H/R-phrases in section 2.2.

DPD/DSD Classification

Highly flammable (F). Harmful (Xn).

Vapours may cause drowsiness and dizziness (R67). May cause sensitisation by inhalation (R42). Irritating to eyes (R36). Highly flammable (R11).

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger!

Hazard statement(s)

- Flammable liquid and vapour. (H226)
- Causes serious eye irritation. (H319)
- May cause allergy or asthma symptoms or breathing difficulties if inhaled. (H334)
- May cause drowsiness or dizziness. (H336)

General	If medical advice is needed, have product container or label at hand. (P101) Keep out of reach of children. (P102)
Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210) Use only outdoors or in a well-ventilated area. (P271)
Safety statement(s)	Response IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. (P304+P341) If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. (P342+P311)
Storage	-
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501)

Identity of the substances primarily responsible for the major health hazards

ethyl acetate, tris(p-isocyanatophenyl) thiophosphate

2.3. Other hazards

This product contains an organic solvent. Damages on the nerves system and inner organs as the liver and kidney can occur, when repeatedly exposure to organic solvents.

Additional labelling

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Additional warnings

Tactile warning.

VOC

-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances

NAME:	ethyl acetate
IDENTIFICATION NOS.:	CAS-no: 141-78-6 EC-no: 205-500-4 Index-no: 607-022-00-5
CONTENT:	60-80%
DSD CLASSIFICATION:	F; R11 Xi; R36 R66 R67
CLP CLASSIFICATION:	Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336, EUH066 S
NOTE:	
NAME:	tris(p-isocyanatophenyl) thiophosphate
IDENTIFICATION NOS.:	CAS-no: 4151-51-3 EC-no: 223-981-9
CONTENT:	15-25%
DSD CLASSIFICATION:	Xn;R42
CLP CLASSIFICATION:	Resp. Sens. 1 H334
NAME:	chlorobenzene
IDENTIFICATION NOS.:	CAS-no: 108-90-7 EC-no: 203-628-5 Index-no: 602-033-00-1
CONTENT:	<1%
DSD CLASSIFICATION:	R10 Xn; R20 N; R51 -53
CLP CLASSIFICATION:	Flam. Liq. 3, Acute tox. 4, Aquatic Chronic 2 H226, H332, H411 S
NOTE:	

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

S = Organic solvent

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 physician, if there is doubt about the injured person's condition, or the symptoms continuous. Never give the unconscious person water or alike.

Inhalation

Place the injured person in fresh air. Make sure to watch the injured person. Prevent chock by keeping the injured person warm and calm. If the person stops breathing, give mouth-to-mouth. If unconscious, put the injured person into the natal-position. Call for an ambulance.

Skin contact

Remove contaminated clothing and shoes at once. If there has been contact to some skin, wash is thoroughly with water and soap. Skin cleansing remedies can be used. DO NOT use solvents or a thinner.

Eye contact

Remove contact lenses. Flush eyes with water (20-30 °C) for at least 15 minutes. Contact a physician.

Ingestion

In case of ingestion, contact a physician right away and bring this safety data sheet or the label from the material. If the person is conscious, give him/her water. DO NOT try to induce vomiting, unless recommended by a physician. Lower the person's head, to prevent the vomit of running back into the mouth and throat. In order to prevent chock, keep the person warm and calm. If breathing stops, give mouth-to-mouth. When unconscious; bring the injured into the natal-position. Call for an ambulance.

Burns

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

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

This product contains organic solvent, which can have an effect on the nerves system. Symptoms can be: Loss of appetite, headache, dizziness, whistle to the ears, tingeling sensation in the skin, sensitiveness to cold, cramps, difficulties concentrating, fatigues etc. The result of repeatedly exposure to organic solvents can be an erosion of the skins natural layer of fat. Afterwards the skin will be exposed to uptake of damaging substances such as allergens.

Sensibilising effects: This product contains substances which can cause allergies when inhaled. The reaction of the allergy will typically set in within an hour after exposure to the allergen and will give an inflammatory reaction in the lungs.

Irritable effects: This product contains substances which are irritable to skin and eyes, or when inhaled. A result of contact with a locally irritable substances, can be, that the area of contact, will be more pruned to take-in of damaging substances such as allergens.

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

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommendation: alcohol resistant foam, carbonic acid, powder, fog. Usage of a water beam is forbidden, since it can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product gets exposed to high temperature, as in case of a fire, dangerous demolition products get created. These are: Carbon oxides. If exposed to decomposition products, a danger to one's health is at risk. Fire fighters should use proper protection gear. A closed container, which is exposed to fire, should be cooled with water. Do not allow the water from the fire extinction run into sewer systems and water streams.

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

Avoid inhalation of vapours from waste material. Avoid direct contact with spilled substances. Cool a non ignited storage with fog. If possible, remove flammable materials. Make sure there is plenty of ventilation.

6.2. Environmental precautions

No specific demands.

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. If possible, clean with cleaning supplies. Solvents should be avoided.

6.4. Reference to other sections

See section 13 regarding handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, consumption of food and liquids as well as storage of tobacco, foods and liquids is not allowed in the room. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in the same container as the original material. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Needs to be stored in a cool and ventilated area, away from possible fire hazardous materials.

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

chlorobenzene (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 1 ppm | - mg/m³

Short-term exposure limit (15-minute reference period): 3 ppm | - mg/m³

Comments: Sk (Sk = Can be absorbed through skin.)

ethyl acetate (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 200 ppm | - mg/m³

Short-term exposure limit (15-minute reference period): 400 ppm | - mg/m³

DNEL / PNEC

No data available.

8.2. Exposure controls

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

General recommendations

Observe general occupational hygiene.

Exposure scenarios

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

Exposure limits

Trade users should encompass the rules of the work environment legislation on maximum concentrations of exposure. See work hygienic threshold limiting values below.

Appropriate technical measures

Airborne gas and dust concentrations must be kept lowest possible and under the existing threshold limiting values (see below). In case the air streams in the work room is not sufficient, use for example an exhaust. Make sure there are visible signs for eye cleanser and shower.

Hygiene measures

Wash hands before breaks and at the end of work.

Measures to avoid environmental exposure

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

Individual protection measures, such as personal protective equipment



Generally

Only CE-marked personal protection equipment should be used. Use only CE marked protective equipment.

Respiratory Equipment

Recommended: Breathing apparatus with a compressor and mask-hood, -,

Skin protection

specific work clothing should be used. When working with this product for a longer period of time, use protection gear.

Hand protection

Recommended: Nitrile rubber. . Discarded immediately after use

Eye protection

Use face shield. Use safety glasses with a side shield as an alternative.

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	Yellow	-	-	-	-

Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	1	-

Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-5	-	-
Explosion limits (Vol %)	Oxidizing properties	
-	-	

Solubility

Solubility in water	n-octanol/water coefficient
Insoluble	-

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 section 7.

10.3. Possibility of hazardous reactions

Non specific.

10.4. Conditions to avoid

Avoid static electricity Overpressure develops, when exposed to heating (e.g.. sunlight).

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reductants 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
ethyl acetate	Rat	LC50	Inhalation	56000 mg/l/4h
ethyl acetate	Rat	LD50	Oral	5600 mg/kg

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

This product contains organic solvent, which can have an effect on the nerves system. Symptoms can be: Loss of appetite, headache, dizziness, whistle to the ears, tingeling sensation in the skin, sensitiveness to cold, cramps, difficulties concentrating, fatigues etc. The result of repeatedly exposure to organic solvents can be an erosion of the skins natural layer of fat. Afterwards the skin will be exposed to uptake of damaging substances such as allergens.

Sensibilising effects: This product contains substances which can cause allergies when inhaled. The reaction of the allergy will typically set in within an hour after exposure to the allergen and will give an inflammatory reaction in the lungs.

Irritable effects: This product contains substances which are irritable to skin and eyes, or when inhaled. A result of contact with a locally irritable substances, can be, that the area of contact, will be more pruned to take-in of damaging substances such as allergens.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Test duration	Result
ethyl acetate	Fish	LC50	96 h	>200 mg/l
ethyl acetate	Daphnia	EC50	48 h	>700 mg/l
ethyl acetate	Algae	IC50	72 h	>100 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
ethyl acetate	Yes	No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
No data available.			

12.4. Mobility in soil

No data available

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 give unwanted long term effects in a water environment, due to its poor decomposition.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product should be treated as dangerous waste.

Waste

EWC code

08 04 09

Specific labelling

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Contaminated packing

Contaminated packaging should be disposed of the same way as the product itself.

SECTION 14: Transport information

This product is included in the regulation of dangerous goods.

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
	1133		3		II		-
IMDG	UN-no.	Proper Shipping Name	Class	PG*	EmS	MP**	Hazardous constituent
	1133	Adhesives	3	II	F-E, S-D	-	-
IATA/ICAO	UN-no.	Proper Shipping Name	Class	PG*			

14.5. Environmental hazards

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14.6. Special precautions for user

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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

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

Demands for specific education

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Additional information

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Sources

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

15.2. Chemical safety assessment

No

SECTION 16: Other information

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

According to EC-Regulation 1907/2006 (REACH)

R10 - Flammable.
R11 - Highly flammable.
R20 - Harmful by inhalation.
R36 - Irritating to eyes.
R42 - May cause sensitisation by inhalation.
R51 - Toxic to aquatic organisms.
R53 - May cause long-term adverse effects in the aquatic environment.
R66 - Repeated exposure may cause skin dryness or cracking.
R67 - Vapours may cause drowsiness and dizziness.
H225 - Highly flammable liquid and vapour.
H226 - Flammable liquid and vapour.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.
EUH066 - Repeated exposure may cause skin dryness or cracking.

The full text of identified uses as mentioned in section 1

Other symbols mentioned in section 2

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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

Robert Pedersen

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

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

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