



SAFETY DATA SHEET

1. Identification of the preparation and of the company

Product name and/or code: **SYNTEKO URETHANE 20 1664
SYNTEKO URETHANE 45 1665
SYNTEKO URETHANE 90 1666**

Chemical/technical name: Lacquer

Manufacturer: ES SADOLIN AS
TOBIASE 8
TALLINN 10147
Estonia
Tel.+ 372 6 30 52 99
Fax: +372 6 305256
es@sadolin.ee

Poison centre: 6269390, direct number 16662

Emergency telephone number: 112

Intended use: For decorative and protective treatment. For further information see product data sheet.

2. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Human health hazards: Repeated exposure may cause skin dryness or cracking. Contains: Butanone oxime (2-) and Co-salt. May produce an allergic reaction.

Fire hazards: Flammable
Note the flammability of the product. Vapours can give explosive mixture with air. Note the risk of self-ignition of cotton wastes, rags, paper etc used at drying up wastes or accidental releases. Contains drying oil. **Risk of selfignition. Collect and keep spillages, used rags etc in fireproof container and destruct.**

Enviromental hazards: Not classified.

3. Composition/information on ingredients

Substance/preparation: Preparation

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC:

Ingredient name	CAS number	EC number	Concentration %	Classification
Naphtha(petroleum), hydrotreated heavy	64742-48-9	265-150-3	25-50	Xn R10-65-66
2-butanoneoxime	96-29-7	202-496-6	0,1-1,0	Xn R21-40-41-43
Cobalt bis(-ethylhexanoate)	136-52-7	205-250-6	0,1-1,0	Xi R38-43

See section 16 for the full text of the R-phrases declared above

Occupational exposure limits, if available, are listed in section 8.
See section 11 for more detailed information on health effects and symptoms.

4. First-aid measures

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General:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
Ingestion:	If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.
Skin contact:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do not use solvents or thinners.
Eye contact:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

5. Fire-fighting measures

Suitable:	Recommended: alcohol-resistant foam, CO ₂ , powders, water spray.
Not to be used:	Water jet
Recommendations:	Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways

6. Accidental release measures

Personal precautions	Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
Environmental precautions:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up:	Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Preferably clean with a detergent. Avoid using solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

7. Handling and storage

Handling:	Due to the organic solvents content of the preparation. Use only with adequate ventilation. Avoid breathing vapours of this product. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
Storage:	Observe label precautions. Store between 0 and 25 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not empty into drains.

Packaging materials:

Recommended:	Use original container. Keep container tightly closed.
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8. Exposure controls/personal protection

Exposure limit values:

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Substance Name	CAS number	Long term exposure limit 8 hour TWA		Short term exposure limit (STEL) 15 minute	
		(ppm)	(mg/m3)	(ppm)	(mg/m3)
Naphtha(petroleum), hydrotreated heavy	64742-48-9		900		1200

Recommended monitoring procedures

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

Exposure controls

Occupational exposure controls:
Respiratory protection:
Hand protection:
Eye protection:
Skin protection:

Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits. Wear appropriate respirator when ventilation is inadequate.
Gloves
Safety glasses
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and chemical properties

General information

Appearance: Viscous liquid
Colour: Colourless
Odour: Odour of organic solvents

Important health, safety and environmental information

pH: n.a.
Flash point (°C): 38°C
VOC (g/l): 490
Density (kg/dm³): 0,90
Solubility: Not dilutable in water.

10. Stability and reactivity

Stability: Stable under recommended storage and handling conditions (see section 7). When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide an dioxide, smoke oxides of nitrogen etc. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

11. Toxicological information

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See Sections 2 and 15 for details.

INHALATION:

Exposure to component solvents vapours concentration in excess of the occupational exposure limit result in adverse health effects such as mucous membrane and respiratory system irritation and

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adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

SKIN CONTACT:

Solvents may cause some of the above effects by absorption through the skin.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

EYE CONTACT:

The liquid splashed in the eyes may cause irritation and reversible damage.

INGESTION:

May cause gastrointestinal disturbance with vomiting and stomach-pain and similar symptoms to those appearing when inhaling vapours. Ingestion already of small amounts may cause chemical pneumonitis.

12. Ecological information

There are no data available on the preparation itself.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

13. Disposal considerations

Methods of disposal:

The generation of waste should be avoided or minimised wherever possible. Consult the local waste contractor and the local authority about the best way of handling cured adhesive. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Waste classification (EWC):

08 01 11* (European Waste Catalogue)

14. Transport information

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

International transport regulations

Regulations Regulatory information	UN number	Proper shipping name	Class	PG*	Label	Additional information
ADR/RID Klass	Not regulated	--	--	--	--	--
ADN Klass	Not regulated	--	--	--	--	--
IMDG Klass	Not regulated	--	--	--	--	--
IATA-DGR Klass	Not regulated	--	--	--	--	--

PG* : Packing group

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA

15. Regulatory information

EU regulations

Hazard symbol/symbols: --

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Risk phrases:	R 10	Flammable
	R 66	Repeated exposure may cause skin dryness or cracking
Safety phrases:	S 2	Keep out of reach of children
	S 51	Use only in well ventilated areas
	S 23	Do not breathe vapour and spray mist
	S 46	If swallowed, seek medical advice immediately and show this container or label
Contains:	Contains: Butanone oxime (2-) and Co-salt. May produce an allergic reaction.	

Classification and labelling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use.

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - Europe	R10	Flammable
	R21	Harmful in contact with skin.
	R38	Irritating to skin.
	R40	Limited evidence of a carcinogenic effect
	R41	Risk of serious damage to eyes.
	R43	May cause sensitization by skin contact.
	R65	Harmful: may cause lung damage if swallowed.
	R66	Repeated exposure may cause skin dryness or cracking.

Full text of classifications referred to in sections 2 and 3 - Europe	Xn - Harmful
	Xi - Irritant
Date of issue:	2009-02-05
Date of previous issue	2008-10-20
Version:	2
Updated:	Complement in chapter 2,3, 9, 12.

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.