

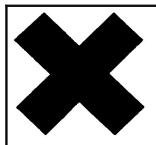
1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
1.1 Trade name **TEKNOSOLV 9506**
1.2 Use of the chemical
 Thinner for paint product

1.3. Manufacturer, importer, other undertaking	Teknos Oy
Post office box	P.O.Box 107
Post code and post office	FI-00371 HELSINKI
Telephone number	+358 9 506091
Telefax	+358 9 50609503
E-mail	sds@teknos.fi
Business ID	2203752-5
Information on foreign manufacturer	

1.4 Emergency telephone	Manufacturer:	+358 9 506 091 / laboratory (material safety data sheets)
	Toxicology information centre:	+358 9 471 977

2 HAZARDS IDENTIFICATION
2.1 Classification of the substance or mixture
2.2 Label elements

Xn: harmful, N: dangerous for the environment


Contains xylene (mixture of isomers)

R phrases R10: Flammable. R20/21: Harmful by inhalation and in contact with skin. R37/38: Irritating to respiratory system and skin. R41: Risk of serious damage to eyes. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65: Harmful: may cause damage to lungs if swallowed.

S phrases S23: Do not breathe vapour/spray. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39: Wear suitable protective clothing, gloves and eye/face protection. S38: In case of insufficient ventilation, wear suitable respiratory equipment. S61: Avoid release to the environment. Refer to special instructions/material safety data sheet.

Special phrases
National regulations
2.3 Other hazards When spray painting, see paragraph 8.

3 COMPOSITION/INFORMATION ON INGREDIENTS
3.2 Mixtures

CAS no. EINECS no.	Name of the ingredient	Concen- tration	Warning symbol	R phrases
1330-20-7 215-535-7	xylene (mixture of isomers)	20-50 %	Xn	R10-20/21-38
78-83-1 201-148-0	iso-butanol	20-50 %	Xi	R10-37/38-41-67
64742-95-6 265-199-0	solvent naphtha (petroleum), light aromatic	20-50 %	Xn; N	R10-37-51/53-65-66-67
107-98-2 203-539-1	1-methoxy-2-propanol	5-10 %	-	R10-67

3.3 Other information

T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritant, E = Explosive, O = Oxidizing, F+ = Extremely flammable, F = Highly flammable, N = Dangerous for the environment, Mut = Mutagenic, Carc = Carcinogenic, Rep = Toxic to reproduction.

4 FIRST AID MEASURES
4.1 Description of first aid measures
4.2 Most important symptoms and effects, both acute and delayed
4.3 Indication of any immediate medical attention and special treatment needed
Inhalation Remove person exposed to excessive solvent concentrations to fresh air, keep patient warm and at rest. If breathing is irregular, give artificial respiration or oxygen. Seek medical attention.

Skin contact Remove contaminated clothing. Wash skin with soap and water and apply skin cream. Before this, large quantities of paint can in case of emergency be wiped off with a cloth wetted with solvent. Small splashes can be cleaned off with cleaning emulsion or cooking oil.

Eye contact Irrigate immediately with water for about 15 minutes. If necessary, seek medical attention.

Ingestion Drink water or milk. Do not induce vomiting. In case of obvious ingestion, seek medical attention.

5 FIRE-FIGHTING MEASURES

5.1	Suitable extinguish media	Extinguish with powder, foam or CO ₂ . Small amounts can also be extinguished by smothering.
5.2	Special hazards arising from the substance or mixture	Fire will release toxic gases.
5.3	Advice for firefighters	Suitable respirator may be required. Closed containers near a fire must be cooled down with water. Don't allow spillage from fire extinguishing work to enter into drains or waterways.

6 ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions	Smoking, work causing sparks, welding or similar work near the area must be ceased immediately. Ventilate the area and avoid breathing solvent vapours.
6.2	Environmental precautions	Do not allow the product to enter drains, water courses or soil.
6.3	Methods for cleaning up	Collect spillage with sand or other absorbent material. Sweep up small amounts with e.g. waste cotton wetted with solvent. Gather waste for destruction as hazardous waste. Wash contaminated area with alkaline washing agent.
6.4	Reference to other sections	Not applicable.

7 HANDLING AND STORAGE

7.1	Handling	In contact with air the solvent vapours may form an explosive mixture. Ventilate the area sufficiently in order to avoid formation of excessively high concentrations of solvents. Smoking, open fire, work causing sparks and welding near the working place is prohibited. All spraying equipment, mixing vessels etc. must be earthed with earthing cables to avoid static discharges.
7.2	Storage	Store in a dry, well ventilated and cool area. Keep away from sources of ignition. Keep the container tightly closed and away from foodstuff.
7.3	Specific use(s)	Not applicable.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1	Control parameters	
8.1.1	OEL values	xylene (mixture of isomers) (8 h) = 220 mg/m ³ iso-butanol (8 h) = 150 mg/m ³ solvent naphtha (petroleum), light aromatic (8 h) = 240 mg/m ³ 1-methoxy-2-propanol (8 h) = 370 mg/m ³
8.1.2	Other limit values	
8.2	Exposure controls	
8.2.1	Occupational exposure controls	The workers must be instructed thoroughly. Provide adequate ventilation. If the general extraction is insufficient, efficient local exhaust ventilation must be provided. Alternatively, the work is whenever possible to be done in a spray booth or similar.
8.2.1.1	Respiratory protection	If working areas have insufficient ventilation, wear half or totally covering mask equipped with gas filter of type A (brown), when grinding with particle filter of type P2. When spraying wear combined filter AP. In continuous and prolonged work isolating protection (e.g. hood with supply of fresh or compressed air) or motor-driven fan protection is recommended.
8.2.1.2	Hand protection	Use nitril or butyl rubber gloves or 4 H, if the product comes into contact with skin. Change gloves immediately when first signs of decomposition appear. Always contact the supplier of gloves for information on the breakthrough time and for recommendation of the best glove to the actual work situation.
8.2.1.3	Eye protection	Eyes must be protected when using spray application.
8.2.1.4	Skin protection	When using spray application suitable protective clothing is to be used.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1	Physical state, colour, odour	liquid , colourless , with odour of solvent
	pH	
	Flash point	Approx. 25 °C
	Explosion limits	0,8-12,3 % by volume
	Relative density	0,9
9.2	Other information	
	VOC	Approx. 860 g/l

10	STABILITY AND REACTIVITY	
10.1	Reactivity	-
10.2	Chemical stability	-
10.3	Possibility of hazardous reactions	-
10.4	Conditions to avoid	In confined or poorly ventilated spaces solvent vapours may form an explosive mixture with air.
10.5	Incompatible materials	Keep away from oxidizing agents, strongly alkaline and strongly acid materials.
10.6	Hazardous decomposition products	When exposed to high temperatures may produce hazardous decomposition products.
11	TOXICOLOGICAL INFORMATION	
11.1	Information on toxicological effects	
	Inhalation	Exposure to solvent vapours in concentrations exceeding the occupational exposure limit values may cause adverse effects such as irritation of the respiratory system and mucous membranes, and may also cause adverse effects on kidneys, liver and the central nervous system. Symptoms of this may be headache, nausea, fatigue, drowsiness and in extreme cases unconsciousness.
	Skin contact	Repeated and prolonged contact with the product may cause removal of natural fat from the skin and may cause non-allergic contact dermatitis. The product may also cause allergic dermatitis.
	Eye contact	Splashes in the eyes may cause irritation and temporary disadvantage.
	Ingestion	Ingestion may cause vomiting, stomach pains and otherwise same symptoms as by inhalation of fumes.
	Other information	Risk of serious damage to eyes.
12	ECOLOGICAL INFORMATION	
12.1	Toxicity:	
	Ecotoxicity	There is no information available on the exotoxicity of the product as such.
	Environmental classification	The product has been classified as dangerous for the environment. See paragraphs 3 and 15 for detailed information.
	Other information	Paint products must be handled carefully and they may not be allowed to enter drains, water courses or soil.
12.2	Persistence and degradability	
12.3	Bioaccumulative potential	
12.4	Mobility in soil	
12.5	Results of PBT and vPvB assessment	
12.6	Other adverse effects	
13	DISPOSAL CONSIDERATIONS	
13.1	Waste treatment methods	
	Disposal	The waste is collected and disposed of in accordance with local regulations. Liquid waste must be transported to facilities for collecting hazardous waste or to other similar place to be disposed of as hazardous waste (EWC code 08 01 11* or 20 01 27*). Solvent-free, hardened paint and painting waste can usually be taken to a public dumping area. Empty, dry paint containers can usually be taken to public dumping areas or to collection centres for metallic paint packages.
	Emptying of steel containers	Metal containers that are taken to recycling must be brush dry/empty, which means that they must not contain wet paint. The bottom of the containers must be perforated to ensure that the containers are ventilated.
	Other information	
14	TRANSPORT INFORMATION	
14.1	UN number	1263
14.2	UN proper shipping name	Paint related material
14.3	Transport hazard class(es)	3, III
14.4	Packing group	III
14.5	Environmental hazards	
14.6	Special precautions for user	-
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	-
14.8	Other information	-

15 REGULATORY INFORMATION

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

15.2 Chemical safety assessment -

16 OTHER INFORMATION

16.1 R phrases from section 3 R10: Flammable.; R20/21: Harmful by inhalation and in contact with skin.; R37: Irritating to respiratory system.; R37/38: Irritating to respiratory system and skin.; R38: Irritating to skin.; R41: Risk of serious damage to eyes.; R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.; R65: Harmful: may cause damage to lungs if swallowed.; R66: Repeated exposure may cause skin dryness or cracking. ; R67: Vapours may cause drowsiness and dizziness.

16.2 Training advice -

16.3 Restrictions on use Detailed instructions for use are given in the label and data sheet of the product.

16.4 Further information TEKNOS OY / laboratory (material safety data sheets), tel. +358 9 506 091.

16.5 Information which has been added, deleted or revised 2, 3, 9, 15

TEKNOSOLV 9506 / 16.9.2011
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