



EC safety data sheet (91/155 EEC)

Trade name: SPRAY THINNER 7037

Status: 01.02.2007

Product no.: 3510xx002

Version : 1 / CDN

Date of printing : 21.06.2007

1.) Identification of the substance/preparation and company

Product details

Trade name

SPRAY THINNER 7037

Identification of the manufacturer / supplier

Supplier

Robert Pope & Co.Industries Ltd.
72 Stafford Street
CDN Toronto-Ontario M 6 J / 2 R 9
Telephone no. (+1)-4 16-5 04 24 78
Fax no. (+1)-4 16-5 04 78 40

Manufacturer

Marabuwerte GmbH & Co KG
Asperger Straße 4
D-71732 Tamm
Telephone no. (+49)-7141/691-0
Fax no. (+49)-7141/691-117

Information provided by / telephone

Product safety +49 7141/691-116 or 232

Emergency telephone number

++49-621-60-43333

Use

Printing auxiliary

2.) Composition / information on ingredients

Chemical characterization

Solvent mixture of esters and ketones

Hazardous ingredients

ETHYL ACETATE

CAS no.	141-78-6				
Concentration	>= 80	<	85	%-b.w.	
LD 50 oral rat			5600		mg/kg
LD 50 dermal rabbit			18000		mg/kg

CYCLOHEXANONE

CAS no.	108-94-1				
Concentration	>= 15	<	20	%-b.w.	
LD 50 oral rat			1540		mg/kg
LD 50 dermal rabbit		>	948		mg/kg
LC 50 inhalative rat, 4 hours		>	6,2		mg/l

3.) Hazards possibilities

WHIMS Hazard Class

B2	Flammable liquid
D2B	Toxic material causing other toxic effects
	Eye irritant



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Particular information pertaining specific risk for human

Immediate effects

Skin contact	Defatting effect. Possible skin absorption.
Inhalation	High vapour concentrations may cause irritation of respiratory tract.
Ingestion	May cause stomach ache.
Eye contact	Irritating to eyes. Risk of serious damage to eyes.

Chronic effects

None are known

4.) First aid measures

General information

Immediately remove all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Unconsciousness: lateral position - call a physician.

After inhalation

Take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. Call a physician.

After skin contact

Wash away with soap and water and rinse. Do NOT use solvents or thinners!

After eye contact

Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Call a physician. Keep at rest. Do not induce vomiting.

5.) Fire-fighting measures

Suitable extinguishing media

Carbon dioxide, foam, sand, dry extinguishing agent.

Extinguishing media that must not be used for safety reasons

Water jet should not be used because water is not mixable with a lot of organic solvents and such solvents will spread on the water surface.

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

In case of fire, dangerous smoke gases such as carbon dioxide, carbon monoxide and soot can be produced. Therefore, take suitable precautionary measures for fire fighting. Residues remaining after a fire have to be disposed of appropriately.

Special protective equipment for fire-fighting

Breathing apparatus with an independent source of air may be required.

Other information

Cool endangered containers with water in case of fire.

6.) Accidental release measures

Personal precautions

Keep away from sources of ignition. Provide for good ventilation. Do not breathe vapours. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up/taking up

Remove by liquid absorbing material (e.g. kieselguhr) and process according to waste regulations. Clean preferably with a detergent; avoid use of solvents.



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7.) Handling and storage

Handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limit. Do not leave containers open. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Avoid contact with skin and eyes. Avoid inhalation of vapour and spray mist. When using do not eat, drink or smoke. Comply with the health and safety at work laws.

Advice on protection against fire and explosion

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used.

Storage

Requirements for storage rooms and vessels

Recommended storage temperature: 15-20°C. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Hints on storage assembly

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Further information on storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep away from sources of ignition. Keep containers dry and cool.

8.) Exposure controls / personal protection

Ingredients with occupational exposure limits to be monitored

CYCLOHEXANONE

ACGIH (USA)

TWA 20 ml/m³

Skin resorption / skin

sensibilisation

OSHA PEL (TWA):

TWA 50 ml/m³ 200 mg/m³

ETHYL ACETATE

ACGIH (USA)

TWA 400 ml/m³

OSHA PEL (TWA):

TWA 400 ppm 1400 mg/m³

Engineering controls

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 vapour below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

Breathing protection equipment required in inadequately ventilated places and during spraying.



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Hand protection

Protection gloves.

Recommendation for protection against components normally found in the products:

For short-term contact (e.g. spray protection) as well as for long-term contact (e.g. cleaning purposes):

Suitable material: LLDPE

Material thickness: 0.06 mm

Penetration time: >480 min.

Protective gloves must always be tested and confirmed with regard to suitability to each specific working environment (e.g. mechanical resistance, product compatibility, antistatic).

Follow the instructions and information from the glove manufacturer in reference to use, storage, care, and frequency of glove exchange.

Protective gloves should be immediately replaced upon being damaged or when showing first signs of wear. Preventive skin protection (skin protective cream) is recommended. Contaminated skin areas should immediately be washed.

Eye protection

Use safety glasses.

Skin protection

Personal should wear antistatic clothing made of natural fibre or of high temperature resistant synthetic fibre. All parts of the body should be washed after contact. Use re-greasing skin cream.

General protective and hygiene measures

The usual precautionary measures for the handling of chemicals have to be observed.

9.) Physical and chemical properties

Appearance

Form	liquid
Colour	clear, colourless
Odour	characteristic

Safety data

Density

Value	0,91		g/cm ³
Reference temperature	20	°C	

Vapour pressure

Value	81		hPa
Reference temperature	20	°C	

Vapour density

Heavier vs. air

Evaprotation rate

Slower vs. Butylacetate

Changes in physical state

Type	Starts to boil	
Value	76	°C

Solubility in water

Remarks partly mixable

pH value

Remarks inapplicable



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Flammability

Yes

Conditions of flammability

Avoid heat, sources of ignition, static electricity, electrical equipment. Keep containers closed. Containers may explode under extreme heat. No smoking! Application to hot surfaces requires special precautions.

Flash point

Value -1 °C

Ignition temperature

Value 420 °C

Explosion limits

Upper explosion limit 11,5 % vol

Lower explosion limit 1,3 % vol

Viscosity

Type	Flow time	
Value	< 12	sec
Reference temperature	20	°C

Sensitivity to mechanical impact

Not explosive

Sensitivity to static discharge

Solvent vapour in air may explode within flammable limits

Odor threshold

Not available

Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

10.) Stability and reactivity

Conditions to avoid

Stable under recommended storage and handling conditions (See section 7).

Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures, dangerous decomposition products such as carbon dioxide, carbon monoxide and soot can be produced.

Hazardous polymerisation

Will not occur.

11.) Toxicological information

Experience in practice

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Solvents may cause symptoms like described above 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.

Vapours and the liquid itself will irritate the eyes. Risk of serious damage to eyes. Prolonged contact with the eyes may lead to corneal opacity.

If swallowed, stomach complaints and irritation of the digestive organs may result.



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12.) Ecological information

General information / ecology

There are no data available on the preparation itself. Do not empty into waters or drains

13.) Disposal considerations

Product

Dispose of or incinerate in accordance with provincial or federal regulations.

14.) Transport information

Land transport ADR/RID

Class	3
Packing group	II
Hazard id. no.	33
Label	3, -, -
UN number	1263
Technical name	PAINT RELATED MATERIAL

Marine transport IMDG/GGVSee

Class	3
Packing group	II
UN number	1263
Proper shipping name	PAINT RELATED MATERIAL
EmS	F-E,S-E
Label	3

Air transport ICAO/IATA

Class	3
Packing group	II
UN number	1263
Proper shipping name	PAINT RELATED MATERIAL
Label	3

15.) Regulatory information

WHIMS Hazard Class

B2	Flammable liquid
D2B	Toxic material causing other toxic effects
	Eye irritant

DSL Inventory

All ingredients listed on the DSL inventory

16.) Other information

Other information

According to their chemical structure, the applied raw materials do not contain any antimony, arsenic, soluble barium, lead, cadmium, chromium, mercury and selenium.

Department issuing safety data sheet

Laboratory/product safety.

Contact person

Dipl.-Chem. G. Heller or Dipl.-Ing. U. Voetter.



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The instructions are based on today's information and knowledge. The safety data sheet describes products in relation to safety requirements. These instructions do not assure application technological properties of the product.