

U-POL

PRODUCTS

PRODUCT SAFETY DATA SHEET

COMMERCIAL PRODUCT NAME:

SYSTEM 20 THINNERS

PREPARATION:

PAINT PRODUCT CONTAINING XYLENE, MIXTURE OF ISOMERS

ADDRESS:

**Denington Industrial Estate,
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COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS NO.</u>	<u>LEVEL</u>	<u>SYMBOL</u>	<u>RISK</u>
XYLENE	1330-20-7	0 - 50%	Xn - Harmful	R10 R20/21 R38
METHYL ISO BUTYL KETONE	108-10-1	0 - 50%	F - Highly Flammable	R11
N BUTYL ACETATE	123-86-4	0 - 50%		R10
2 METHOXY-1-METHYLETHYL - ACETATE	108-65-6	0 - 50%	Xi - Irritant	R10 R36
SOLVENT NAPHTHA	64742-95-6	0 - 50%	Xn - Harmful	R10 R20

HAZARDS IDENTIFICATION

INHALATION:

May cause drowsiness and irritation of respiratory tract.

SKIN:

May cause irritation on prolonged contact, which can lead to dermatitis.

EYES:

Irritation and soreness.

INGESTION:

Sore throat, stomachache, nausea.

FIRST AID MEASURES

INHALATION:

Move affected person to the fresh air without delay. If drowsiness persists seek medical attention.

SKIN CONTACT:

Wash affected area with warm soapy water. Do not use solvents.

EYE CONTACT:

Irrigate with copious quantities of water and seek medical attention immediately.

INGESTION:

Do not induce vomiting, drink plenty of water and seek medical attention.

FIRE FIGHTING MEASURES

Fight fires with CO₂, dry powder, or chemical foam. Do not use water jets. Burning material emits toxic fumes and smoke, so avoid inhalation of burning products.

ACCIDENTAL RELEASE MEASURES

The product will readily flow. Contain and collect any spillage with sand or earth. Keep product away from drains. Avoid sources of ignition. Dispose of in accordance with the requirements of the Environmental Protection Act.

HANDLING AND STORAGE

HANDLING: Keep away from heat. Keep away from sources of ignition. Avoid contact with skin and eyes. Use only in well ventilated areas, and for extensive spraying, in a suitable booth.

STORAGE: Store in accordance with The Highly Flammable Liquids and Liquefied Petroleum Gases Regulations.

EXPOSURE CONTROLS/PERSONAL PROTECTION

A good standard of personal and industrial hygiene should be maintained at all times. Persons who suffer from skin complaints or other allergic effects should not work with the product.

OEL (UK)	Component	8 HR TWA	15 mins STEL
	Xylene	100 ppm	150 ppm
	MIBK	50 ppm	100 ppm
	N Butyl Acetate	150 ppm	200 ppm

EYE PROTECTION: Recommended.

PROTECTIVE CLOTHING: Recommended.

RESPIRATORY PROTECTION: Suitable respiratory protection necessary, when spraying in areas of poor ventilation.

SKIN PROTECTION: Barrier cream recommended.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear liquid.

ODOUR: Mild, typical.

DENSITY: Approx. 0.9.

FLASH POINT: 14°C - 25°C.

AUTO FLAMMABILITY TEMPERATURE: 490°C (Xylene).

EXPLOSIVE LIMITS: Lower 1.0%. Upper 6.6% (Xylene).

VOLATILE CONTENT: 100%.

SOLUBILITY: Partially miscible with water.

VISCOSITY: Water like consistency.

STABILITY AND REACTIVITY

Stable under normal conditions. Heat increase may be sufficient to raise the temperature above the product flash point. Thermal decomposition can give rise to acrid fumes.

TOXICOLOGICAL INFORMATION

For Xylene, the following values have been reported:-

An oral LD50 in rats of 4.3g/Kg.
LC50 in rats of 5000 ppm/4 hours.

For Methyl Isobutyl Ketone the following values have been reported:-

An oral LD50 in rats of 2080mg/Kg.

For Toluene the following values have been reported:-

An oral LD50 in rats of 5000 mg/Kg.

For N Butyl Acetate the following values have been reported:-

An oral LD50 in rats of 13100mg/Kg.
LC50 in rats of 2000ppm/4 hours.

ECOLOGICAL INFORMATION

Marine pollutant and partially biodegradable.

Thinners are low viscosity compositions which lose solvents by evaporation, leaving virtually no residue.

DISPOSAL CONSIDERATIONS

The material and any contaminated container should be disposed of in accordance with the Environmental Protection Act.

TRANSPORT INFORMATION *

SHIPPING NAME:	PAINT RELATED MATERIAL
UNITED NATION NO:	UN 1263.
CLASS NO:	3.2 (fast). 3.3 (std./slow).
HARMONISED SYSTEMS NO:	320890 91 5.
PACKING GROUP:	II (fast). III (std./slow).

Complies with The Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labelling) Regulations.

For current International Maritime Dangerous Goods Declaration, please contact our Export Department
Telephone No: 44-(0)20-8492-5950

REGULATORY INFORMATION

	<u>FAST</u>		<u>STD.</u>		<u>SLOW</u>
CONTAINS:	Xylene, mixture of isomers.		Xylene, mixture of isomers.		Mixture of solvents.
SYMBOL:	F	Highly Flammable.	-	-	-
	Xn	Harmful.	Xn	Harmful.	Xn Harmful.
RISK PHRASES:	R11	Highly flammable.	R10	Flammable.	R10 Flammable.
	R20/21	Harmful by inhalation and in contact with skin.	R20/21	Harmful by inhalation and in contact with skin.	R20 Harmful by inhalation.
	R36	Irritating to the eyes.	R36	Irritating to the eyes.	R36 Irritating to the eyes.
SAFETY PHRASES:	S16	Keep away from sources of ignition - No smoking.	S16	Keep away from sources of ignition - No smoking.	S16 Keep away from sources of ignition - No smoking.
	S38	In case of insufficient ventilation wear suitable respiratory equipment.	S38	In case of insufficient ventilation wear suitable respiratory equipment.	S38 In case of insufficient ventilation wear suitable respiratory equipment.
	S51	Use only in well ventilated areas.	S51	Use only in well ventilated areas.	S51 Use only in well ventilated areas.

FURTHER INFORMATION

Reference should be made to the following official publications:-

EH40, COSHH Regulations, Environmental Protection Act.

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(*Denotes changes from previous issue)

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