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SAFETY DATA SHEET - REGULATIONS 1994 (CHIP 2)

KOLOR COATINGS LIMITED urges the customer receiving this Material Safety Data Sheet to study it carefully to become aware of hazards, if any, of the product involved.

In the interests of safety you should:

- 1) notify your employees, agents and contractors of the information on this sheet,
- 2) furnish a copy to each of your customers for the product, and
- 3) request your customers to inform their employees and customers as well.

1) Identification and Company

Date revised: 01 07 05

Company:

Product Name:

Chemical Characterisation:

Form

Colour

Odour

Revision No:07 Compiler: Mr F M Jachim

Technispray Paints Ltd.

Formula 40 - **Vinylprep**

Solvent-based cleaner for use with Vinylkote

Liquid - 1 litre, 5 litre, 20 litre containers, and 200 litre drums

Clear

Characteristic

2) Composition

Material

Methyl Isobutyl Ketone

Toluene

CAS No:

108-10-1

108-88-3

% Content Risk

90.00

10.00

Symbol

Xi

Xn

Risk Phrases

11,20,36,37,66

11,20

3) Hazards Identification

Physical

Highly Flammable. R-11

Adverse Human Effects

Can enter the body by inhalation, ingestion, or through the skin.

Irritates the eyes, skin and respiratory tract.

Liquid removes the skin's natural oils.

Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

in accordance with EU Directives

4) First Aid Measures

Inhalation	Move the exposed person to fresh air at once. Get medical attention immediately. For breathing difficulties oxygen may be necessary. If rapid recovery does not follow, apply artificial respiration.
Ingestion	Do not induce vomiting. Obtain medical attention immediately.
Skin	Wash the skin immediately with soap and water. Use a moisturiser. Get medical attention if any discomfort continues.
Eye	Flush with plenty of water for several minutes. Make sure to remove any contact lenses before rinsing. Continue to rinse for at least 15 minutes. If irritation persists, refer for medical attention.

5) Fire Fighting Measures

Extinguishing Media	Use a dry chemical powder, foam or carbon dioxide extinguisher, sand or earth.
Special Fire Fighting Procedures	Do not use water in a jet. Containers close to fire should be removed or cooled with water. Use water to keep fire-exposed containers cool. Wear self-contained breathing apparatus and suitable protective clothing.
Unusual Fire & Explosion Hazards	Risk of explosion if heated.

6) Accidental Release Measures

Spillage/Leakage/Gas Leakage	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear the necessary protective equipment. Prevent the liquid from spreading with sand or sawdust. Shovel up and remove to a safe place. Flush contaminated area with water. If leakage cannot be stopped evacuate area. Ventilate well. Do not contaminate water sources or sewer. Shovel up and remove to a safe place. Extinguish naked flames. Ensure adequate ventilation. Wear protective clothing and breathing apparatus as outlined below.
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7) Handling and Storage

Handling Precautions	Ensure adequate positive ventilation to keep concentrations well below hazard levels. Keep away from heat, sparks and open flames.
Storage Precautions	Containers must not be exposed to direct sunlight or temperatures above 50°C. Store away from oxidising agents. Avoid exposure to sources of heat or ignition. Keep containers tightly closed. Avoid build up of static electricity.

8) Exposure Controls and Personal Protection

Name	CAS No.	STD	LT EXP (8 hrs)	ST EXP (15 min)
Methyl Isobutyl Ketone	108-10-1	OES	50 ppm (SK)	100 ppm(SK)
Toluene	108-88-3	OES	50 ppm(SK)	150 ppm(SK)

Comments

OES = Occupational Exposure Standard
SUP = Supplier's Recommendation
SK = Can be absorbed through skin

Protective Equipment	Wear goggles giving complete protection to eyes. Wear nitrile rubber gloves. Wear overalls. Avoid contact with liquid. Wear an approved breathing apparatus when concentrations above 100 ppm are present.
Ventilation	Provide adequate general and local exhaust ventilation.
Respirators	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).
Protective Gloves	Use protective nitrile rubber gloves.
Eye Protection	Use approved safety goggles or face shield.
Clothing Protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Industrial Hygiene Work Routine	DO NOT SMOKE IN WORK AREA. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.

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9) Physical and Chemical Properties

Appearance	Liquid
Odour	Characteristic
Colour	Clear
Melting point	- 60°C
Boiling point	115 - 120 °C
Density	0.85 g/ml @ 20 °C
Solubility in water	(20°C) less than 20 g/l
Flash Point	13 °C Closed Cup
Ignition Temperature	>450°C
Flammability Limit (upper %)	9.75
Flammability Limit (lower %)	1.55

10) Stability and Reactivity

Thermal Decomposition	Thermal decomposition will occur.
Hazardous Decomposition Products	Fire creates: Vapours / Gases / Carbon monoxide (CO) & Carbon dioxide (CO ₂) Fumes
Hazardous Reactions	No hazardous decomposition products when stored and used correctly.
Conditions to Avoid	Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents, strong alkali, and strong mineral acids.

11) Toxicological Information

Health Hazards, General	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Gas or vapour at high concentrations may irritate respiratory system. Gas or vapour displaces oxygen available for breathing (asphyxiant).
Skin	Product has a de-fatting effect on the skin. Prolonged or repeated exposure may cause severe irritation.
Eyes	Irritating to the eyes. Spray and vapour in the eyes may cause irritation and smarting. May cause severe irritation to eyes.
Route of entry	Inhalation. Skin and /or eye contact.

12) Ecological Information

Mobility	Rapidly volatilise and enter the atmosphere from both water and soil.
Degradability	Biologically degradable.
Bioaccumulative Potential	Slight potential to bioaccumulate.
Aquatic Toxicity	LC50 96hr (fish) - 505 mg/l EC50 24 hr (daphnia) - 3682 mg/l Do not allow to escape into water, wastewater drains or soil.

in accordance with EU Directives

13) Disposal Considerations

Empty containers must not be burned because of explosion hazard.
Dispose of in accordance with the Local Authority requirements.
Contact specialist disposal companies.

14) Transport Information

LITRES:

ADR:

ADR: UN Number	1263
ADR: Proper Shipping Name	Paint Related Material
ADR: Class	3
ADR: Packing Group	II
ADR: Classification Code	F1
ADR: Transport Category	2
ADR: Hazard Identification Number	33

Shipping:

IMDG: UN Number	1263
IMDG: Proper Shipping Name	Paint Related Material
IMDG: Class	3
IMDG: Packing Group	II
IMDG: EmS	F-E, S-E

Air Transport:

IATA: UN Number	1263
IATA: Proper Shipping Name	Paint Related Material
IATA: Class	3
IATA: Packing Group	II
IATA: Packing Instruction	305

15) Regulatory Information

Risk Phrases	R-11	Highly Flammable.
	R-20	Harmful by inhalation.
	R-36	Irritating to eyes.
	R-37	Irritating to respiratory system.
	R-66	Repeated exposure may cause skin dryness or cracking.

Safety Phrases	S-9	Keep container in a well-ventilated place.
	S-16	Keep away from heat and sources of ignition. No Smoking.
	S-21	When using do not smoke.
	S-24	Avoid contact with skin.
	S-25	Avoid contact with eyes.
	S-29	Do not empty into drains.
	S-33	Take precautionary measures against static discharges.
	S-36	Wear suitable protective clothing.
	S-37	Wear suitable gloves.
	S-51	Use only in well-ventilated areas.

in accordance with EU Directives

UK Regulatory References: Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 (CHIP 2)
Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 (CHIP 2) Regulation 6
Chemicals (Hazard Information and Packaging for Supply)

(Amendment) Regulations 1996 (CHIP 96)
Chemicals (Hazard Information and Packaging for Supply)
(Amendment) Regulations 1997 (CHIP 97)
Chemicals (Hazard Information and Packaging for Supply)
(Amendment) Regulations 1998 (CHIP 98)
Chemicals (Hazard Information and Packaging for Supply)
(Amendment) Regulations 1999 (CHIP 99)
Chemicals (Hazard Information and Packaging for Supply)
(Amendment) (No. 2) Regulations 1999 (CHIP 99(2))
IATA - Dangerous Goods Regulations
IMDG - International Maritime Dangerous Goods Code
ADR - Dangerous Goods Code

UK Publication References:

Approved Guide to the Classification and Labelling of
Substances and Preparations Dangerous for Supply.
(Guidance on Regulations) (Fourth Edition)
Safety Data Sheets for Substances and Preparations Dangerous
for Supply. (Approved Code of Practice) (Second Edition)
Approved Supply List - Information Approved for the
Classification and Labelling of Substances and Preparations
Dangerous for Supply. (Fifth Edition)
Carriage of Dangerous Goods - Guidance for Consignors of
Dangerous Goods.

UK Environmental References:

Occupational Exposure Limits.
Control of Pollution (Special Waste Regulations) Act
Rivers (Prevention of Pollution) Act

UK Statutory References:

Chemicals (Hazard Information and Packaging for Supply)
Regulations 1994 (CHIP 2)

16) Other Information

Emergency Action

Notify Police and Fire Brigade immediately.

17) Disclaimer

Disclaimer

The information accumulated herein is believed to be accurate and reliable as of the date above, however Technispray Paints Ltd. makes no representation, warranty or guarantee nor assumes any legal responsibility as to its accuracy, reliability or completeness. Ultimate determination of suitability for intended use is the responsibility of the user.

01 07 05 Rev. 07

in accordance with EU Directives