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SAFETY DATA SHEET - REGULATIONS 1994 (CHIP 2)

TECHNISPRAY PAINTS 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

Revision No:07 Compiler: Mr F M Jachim

Company:

Technispray Paints Ltd.

Product Name:

Formula 40® **Vinylkleen**

Chemical Characterisation:

Aqueous cleaning solution for plastics.

Form

Liquid - 1 litre, 5 litre cans and 20 litre. pails.

Colour

Clear water white

Odour

Slight odour of alcohol

2) Composition

Material	CAS No:	% Content	Risk	Symbol	Risk Phrases
Water	7732-18-5	89.11		Non-Haz	None
Sodium Metasilicate	6834-92-0	0.60		Xi	34
Sodium Tripolyphosphate	7758-29-4	1.08		Xn	None
Tetrasodium Diphosphate	7722-88-5	0.42		Xn	None
2-Butoxyethanol	111-76-2	1.67		Xi	20,21,22,37
2-Propanol	67-63-0	0.28		Xi	11
Sodium Alkyl (Lauryl) Sulphate	151-21-3	4.35		Xi	36,38
Octylphenoxypolyethoxyethanol	9036-19-5	0.82		Xi	22,41
Cocoamphoacetate Water	7732-18-5	1.67		Xi	36,38

3) Hazardous Identification

Physical

Non-Hazardous

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.

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.
Eye	Get medical attention if any discomfort continues. Flush with plenty of water for several minutes. Make sure to remove any contact lenses eyes 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. Do not use water in a jet.
Special Fire Fighting Procedures	Containers close to fire should be removed or cooled with water. Use water to keep fire-exposed containers cool.

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. 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.
Storage Precautions	Keep away from heat, sparks and open flames. Store away from oxidising agents. Avoid exposure to sources of heat or ignition. Keep containers tightly closed. Avoid build up of static electricity.

in accordance with EU Directives

8) Exposure Controls and Personal Protection

Name	CAS No.	STD	LT EXP (8 hrs)	ST EXP (15 min)
2-Propanol	67-63-0	OES	400 ppm (SK)	500 ppm (SK)
2-Butoxyethanol	111-76-2	OES	25 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 suitable 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 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.		

9) Physical and Chemical Properties

Colour	Water White
Change in Physical State	Melting point <0°C Boiling point 102°C
Density	1.015 g/cm ³ average
Vapour Pressure	Not applicable.
Viscosity	Not applicable.
Solubility in water	(20°C) soluble.
pH Value	(20°C) 10.0-11.5
Flash Point	Not applicable.
Ignition Temperature	Not applicable.
Flammability Limit (upper %)	Not applicable.
Flammability Limit (lower %)	Not applicable.

10) Stability and Reactivity

Thermal Decomposition	Thermal decomposition will occur.
Hazardous Decomposition Products	None.
Hazardous Reactions	No hazardous decomposition products when stored and used correctly.
Conditions to Avoid	Avoid contact with strong oxidising agents, strong alkali, and strong mineral acids.

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11) Toxicological Information

Inhalation	Gas or vapours at high concentrations may irritate respiratory system.
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	Skin and /or eye contact.

12) Ecological Information

Do not allow to escape into water, wastewater drains or soil.

13) Disposal Considerations

Dispose of in accordance with the Local Authority requirements.
Contact specialist disposal companies.

14) Transport Information

LITRES:

ADR/RID - Name	Vinylkleen
Class	Non-Hazardous
Packaging Group	Not Applicable
Item	Non-Hazardous

Shipping - Name	Vinylkleen
IMDG Code	Not Applicable
UN No.	Not Applicable
Class	Non-Hazardous
Packaging Group	Not Applicable
EMS No.	Not Applicable
MFAG	Not Applicable

Air Transport - Name	Vinylkleen
IATA Classification	Non-Hazardous
Packaging Group	Not Applicable
UN No.	Not Applicable

15) Regulatory Information

in accordance with EU Directives

Risk Phrases

None	Non-Hazardous
R-20	Harmful by inhalation.
R-21	Harmful in contact with skin.
R-22	Harmful if swallowed.
R-34	Causes burns.
R-36	Irritating to eyes.
R-37	Irritating to respiratory system.
R-38	Irritating to skin.
R-41	Risk of serious damage to eyes.

Safety Phrases

S-2	Keep out of reach of children.
S-7	Keep container tightly closed.
S-16	Keep away from heat and sources of ignition.
S-24	Avoid contact with skin.
S-25	Avoid contact with eyes.
S-26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-27	Take off immediately all contaminated clothing.
S-37	Wear suitable gloves.
S-39	Wear eye/face protection.

UK Regulatory References:

in accordance with EU Directives
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