



SAFETY DATA SHEET

Clear View

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	Clear View
PRODUCT NO.	37-21
APPLICATION	Screenwash
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2 HAZARDS IDENTIFICATION

Flammable. Harmful by inhalation, in contact with skin and if swallowed. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

CLASSIFICATION (1999/45) T;R39/23/24/25. Xn;R20/21/22. R10.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
ETHANEDIOL	203-473-3	107-21-1	10-30%	Xn;R22
METHANOL	200-659-6	67-56-1	10-30%	F;R11 T;R23/24/25,R39/23/24/25
PROPAN-2-OL	200-661-7	67-63-0	1-5%	F;R11 Xi;R36 R67

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

Get medical attention immediately! DO NOT INDUCE VOMITING! Promptly get affected person to drink large volumes of water to dilute the swallowed chemical.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc. Carbon dioxide (CO2). Water spray, fog or mist.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Keep run-off water out of sewers and water sources. Dike for water control.

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SPECIFIC HAZARDS

Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Do not contaminate water sources or sewer. Clean-up personnel should use respiratory and/or liquid contact protection.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. During application and drying, solvent vapours will be emitted. Provide good ventilation.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ETHANEDIOL	WEL		10 mg/m ³		104 mg/m ³	Sk
METHANOL	WEL	200 ppm	266 mg/m ³	250 ppm	333 mg/m ³	Sk
PROPAN-2-OL	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³	

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash. Use protective gloves made of: Polyvinylidene chloride/Polyethylene (PVD/PE). Butyl rubber. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION

Provide eyewash station.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Liquid

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COLOUR	Blue		
ODOUR	Solvent.		
SOLUBILITY	Soluble in water. Miscible with water		
MELTING POINT (°C)	- 20	RELATIVE DENSITY	~ 0.982 20 °c
EVAPORATION RATE	< 1 BuAc=1	pH-VALUE, CONC. SOLUTION	10
FLASH POINT (°C)	33 CC (Closed cup).	VOLATILE ORGANIC COMPOUND (VOC)	216 g/litre

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid contact with acids and oxidising substances. Avoid excessive heat for prolonged periods of time.

HAZARDOUS POLYMERISATION

Will not polymerise.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION**TOXICOLOGICAL INFORMATION**

This material is toxic. No significant health hazards when used for designed purpose and application and when used in accordance with instructions.

INHALATION

Harmful by inhalation. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

INGESTION

Harmful if swallowed. May cause unconsciousness, blindness and possibly death. May cause nausea, headache, dizziness and intoxication.

SKIN CONTACT

Harmful in contact with skin. Irritating to skin. May be absorbed through the skin.

EYE CONTACT

May cause severe irritation to eyes.

OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties. IARC Not Listed.

ROUTE OF ENTRY

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

TARGET ORGANS

Blood Central nervous system Eyes Gastro-intestinal tract Kidneys Liver Respiratory system, lungs

MEDICAL SYMPTOMS

Irritation of eyes and mucous membranes. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Visual disturbances, incl. blurred vision.

Name	METHANOL
Toxic Dose 1 - LD 50	5628 mg/kg (oral rat)
Name	PROPAN-2-OL
Toxic Dose 1 - LD 50	5500 mg/kg (oral rat)
Toxic Conc. - LC 50	47-73 ppm/4h (inh-rat)
Name	ETHANEDIOL
Toxic Dose 1 - LD 50	6000 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

MOBILITY

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. The product is soluble in water.

BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

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DEGRADABILITY

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. The product is biodegradable, but it must not be discharged into drains without permission from the authorities.

WATER HAZARD CLASSIFICATION

WGK 0

Name	METHANOL
LC 50, 96 Hrs, FISH mg/l	10800
EC 50, 48 Hrs, DAPHNIA, mg/l	24500
IC 50, 72 Hrs, ALGAE, mg/l	8000

Mobility

The product is soluble in water.

Bioaccumulation potential

The product is not bioaccumulating.

Degradability

The product is biodegradable.

Name	PROPAN-2-OL
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LC 50, 96 Hrs, FISH mg/l	9600
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EC 50, 48 Hrs, DAPHNIA, mg/l	4600
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Mobility

The product is soluble in water.

Bioaccumulation potential

Will not bio-accumulate.

Degradability

The product is expected to be biodegradable.

Name	ETHANEDIOL
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LC 50, 96 Hrs, FISH mg/l	51000
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EC 50, 48 Hrs, DAPHNIA, mg/l	46300
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Mobility

The product is soluble in water.

Bioaccumulation potential

The product does not contain any substances expected to be bioaccumulating.

Degradability

The product is biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

The packaging must be empty (drop-free, when inverted)

DISPOSAL METHODS

Do not allow runoff to sewer, waterway or ground. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	3		
PROPER SHIPPING NAME	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (METHANOL)		
UN NO. ROAD	1986	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	HAZARD No. (ADR)	36
ADR LABEL NO.	3 & 6.1	HAZCHEM CODE	3W
CEPIC TEC(R) NO.	30GFT1-III	RID CLASS NO.	3
RID PACK GROUP	III	UN NO. SEA	1986

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IMDG CLASS	3	IMDG PAGE NO.	94 (vol 2)
IMDG PACK GR.	III	EMS	F-E, S-D
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1986	AIR CLASS	3
AIR SUB CLASS	6.1	AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Toxic

CONTAINS

METHANOL

RISK PHRASES

R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

SAFETY PHRASES

S23	Do not breathe vapour/spray.
S27	Take off immediately all contaminated clothing.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S35	This material and its container must be disposed of in a safe way.

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

NATIONAL REGULATIONS

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

16 OTHER INFORMATION

GENERAL INFORMATION

This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.

Only trained personnel should use this material.

REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision.

REVISION DATE 14/12/2010

REV. NO./REPL. SDS GENERATED 4

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RISK PHRASES IN FULL

R22	Harmful if swallowed.
R11	Highly flammable.
R36	Irritating to eyes.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R67	Vapours may cause drowsiness and dizziness.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.