



SAFETY DATA SHEET

Colour Intensifier

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

APPLICATION Colour enhancing tile sealer

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2 HAZARDS IDENTIFICATION

Flammable.

Repeated exposure may cause skin dryness or cracking.

Harmful: may cause lung damage if swallowed.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xn;R65. N;R51/53. R10, R66.

ENVIRONMENT

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

PHYSICAL AND CHEMICAL HAZARDS

Flammable or explosive vapour/air mixtures may be formed.

HUMAN HEALTH

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
White Spirit : (naphtha (petroleum), hydrodesulphurised heavy (<0.1% benzene))	265-185-4	64742-82-1	60-95%	Xn;R65. N;R51/53. R10,R66.
1,2,4-TRIMETHYLBENZENE	202-436-9	95-63-6	5-10%	R10 Xn;R20 Xi;R36/37/38 N;R51/53
XYLENE	215-535-7	1330-20-7	1-5%	R10 Xn;R20/21 Xi;R38
CUMENE	202-704-5	98-82-8	1-5%	R10 Xn;R65 Xi;R37 N;R51/53

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

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

INHALATION

If unconscious or breathing is irregular place on their side in the recovery position and ensure their airways are clear.

Artificial respiration may be administered by suitably qualified first-aiders if the patient is unconscious or breathing is difficult.

Get immediate medical attention.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

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SKIN CONTACT

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Check for contact lenses which must be removed from the eyes before rinsing.
 Promptly rinse eyes with plenty of clean water while lifting the eyelids.
 Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.
 Get immediate medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use high pressure water jet as this may spread burning material.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

SPECIFIC HAZARDS

Fire emits clouds of smoke which may contain toxic vapours, gases and fumes.

PROTECTIVE MEASURES IN FIRE

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Do not smoke, use open fire or other sources of ignition. Provide adequate ventilation. Ventilate to dispel residual vapour. Clean-up personnel should use respiratory protection, gloves, goggles and protective clothing and footwear. (see section 8)

ENVIRONMENTAL PRECAUTIONS

Do not allow spilled material to enter drains or water courses.
 Cover all drains and sewers. Avoid spreading spilled material. Contain spillages with sand, earth or suitable absorbent material. Prevent further spillage if safe to do so.
 In the event of contamination of watercourses or sewers advise the Environment Agency, fire brigade and police.

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Absorb in vermiculite, sand, diatomaceous earth or other absorbent inert material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from: Acids. Oxidising material.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
1,2,4-TRIMETHYLBENZENE	WEL	25 ppm	125 mg/m3			
CUMENE	WEL	25 ppm	125 mg/m3	50 ppm	250 mg/m3	Sk
White Spirit : (naphtha (petroleum), hydrodesulphurised heavy (<0.1% benzene))	WEL		1000 mg/m3			
XYLENE	WEL	50 ppm	220 mg/m3	100 ppm	441 mg/m3	Sk

WEL = Workplace Exposure Limit.
 Sk = Can be absorbed through skin.

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INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient suitable respiratory protection must be provided.
 Seek recommendations and advice from equipment manufacturer or supplier.

HAND PROTECTION

Avoid prolonged or repeated contact, use suitable protective gloves made of Nitrile. Wear suitable protective gloves conforming to EN 374.

The actual level of protection provided by protective gloves can be difficult to assess. Effective breakthrough times should be used with care and a margin of safety should be applied. HSE guidance recommends a safety factor of 75% be applied to times obtained by laboratory tests.

Seek advice from manufacturer or supplier.

Personal hygiene is a factor in effective hand care. Gloves should only be worn on clean hands. After using gloves hands should be washed and dried thoroughly and a non-perfumed moisturiser applied.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

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. Wash promptly with soap & water if skin 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	Colourless liquid
ODOUR	Hydrocarbon
SOLUBILITY	Immiscible with water
BOILING POINT (°C)	150 - 200 °C. @ 760mm Hg.
RELATIVE DENSITY	0.785 @ 15°C
VAPOUR PRESSURE	<10 mbar @ 37.8°C
VISCOSITY	0.85 cSt @ 25°C
FLASH POINT (°C)	>40°C
AUTO IGNITION	approx 230°C
TEMPERATURE (°C)	
FLAMMABILITY LIMIT - LOWER(%)	0.6
FLAMMABILITY LIMIT - UPPER(%)	8.0

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions of storage and use. See section 7.

CONDITIONS TO AVOID

Avoid contact with acids and oxidising substances. Avoid heat, flames and other sources of ignition.

HAZARDOUS POLYMERISATION

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

In conditions of fire or excessive heat gives off toxic fumes and gases, including oxides of carbon and nitrogen and various hydrocarbon fragments.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 >2000 mg/kg (oral rat)

TOXICOLOGICAL INFORMATION

Health effects of this preparation have not been determined. Data given refer to the major component.

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INHALATION

Exposure to solvent vapours may cause irritation of the throat, respiratory system and mucous membranes and have adverse effects on the kidneys, liver and central nervous system.

Symptoms can include headache, dizziness, drowsiness, fatigue, and muscular weakness, In extreme cases resulting in loss of consciousness.

Patients should be kept under observation as symptoms may occur well after exposure.

INGESTION

Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Absorption can cause sleepiness, intoxication and pulmonary oedema.

SKIN CONTACT

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.

EYE CONTACT

May cause severe irritation to eyes.

TARGET ORGANS

Skin Eyes Respiratory system, lungs

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

LC 50, 96 Hrs, FISH mg/l 10

MOBILITY

The product contains substances, which are insoluble in water and which may spread on water surfaces. Contamination will evaporate from the surface of water and soils.

BIOACCUMULATION

The product contains potentially bioaccumulating substances.

DEGRADABILITY

The product is expected to be biodegradable.

WATER HAZARD CLASSIFICATION

N/A.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed. Empty but unlaundered containers must be treated in the same manner as when full; labels should not be removed.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Product is classified as hazardous waste.

Disposal of waste material and empty containers must be by means of a licensed waste contractor.

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	FLAMMABLE LIQUID, N.O.S. (White Spirit : (naphtha (petroleum), hydrodesulphurised heavy (<0.1% benzene))
UN NO. ROAD	1993
ADR CLASS NO.	3
ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III
TUNNEL RESTRICTION CODE	(D/E)
HAZARD No. (ADR)	30

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ADR LABEL NO.	3
HAZCHEM CODE	•3YE
UN NO. SEA	1993
IMDG CLASS	3
IMDG PACK GR.	III
EMS	F-E, S-E
UN NO. AIR	1993
AIR CLASS	3
AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CONTAINS

White Spirit : (naphtha (petroleum), hydrodesulphurised heavy (<0.1% benzene))

RISK PHRASES

R10	Flammable.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.
R65	Harmful: may cause lung damage if swallowed.

SAFETY PHRASES

S2	Keep out of the reach of children.
S13	Keep away from food, drink and animal feeding stuffs.
S29/56	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
S37	Wear suitable gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

EU DIRECTIVES

EC Regulation 1907/2006 (as amended) : 'REACH'.
 Dangerous Substances Directive 67/548/EEC.
 Dangerous Preparations Directive 1999/45/EC.
 EC Regulation 1272/2008 (as amended): CLP (Classification, labelling and packaging of substances and mixtures).
 ADR (L'Accord européen relative au transport international des marchandises dangereuses par route.)

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).
 Control of Substances Hazardous to Health Regulations (as amended). (COSHH)
 Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

APPROVED CODE OF PRACTICE

The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance. Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/I5.pdf>

GUIDANCE NOTES

Workplace Exposure Limits EH40.
 Introduction to Local Exhaust Ventilation HS(G)37.
 CHIP for everyone HSG(108).
 The storage of flammable liquids in containers HSG51 (HSE 1998).

16 OTHER INFORMATION

REVISION DATE 19-AUG-11 - Rev 01: 01012

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REVISION COMMENTS

No previous version.

REVISION DATE 19-AUG-11 - Rev 01: 01012

REV. NO./REPL. SDS 01 dated 19-AUG-11

GENERATED

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.