Revision Date 10-DEC-12
Revision 05 replaces 04 :00156
Supersedes date 02-NOV-12

SAFETY DATA SHEET
Colour Intensifier

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	Colour Intensifier
Product No.	WTCI001, WTCI005, WTGP001

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Colour enhancing tile sealer
Uses advised against	Any use other than those identified.

1.3. Details of the supplier of the safety data sheet

Supplier	LTP Tone Industrial Estate Milverton Road Wellington Somerset TA21 0AN Tel: 01823 666213 Fax: 01823 665685

1.4. Emergency telephone number

0870 190 6777

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 3 - H226
Human health	EUH066;Asp. Tox. 1 - H304
Environment	Aquatic Chronic 2 - H411

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

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

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

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.

2.2. Label elements

Contains White Spirit (naphtha (petroleum), hydrodesulfurised heavy (<0.1% benzene))

Label In Accordance With (EC) No. 1272/2008

Signal Word	Danger	
Hazard Statements		
	H226	Flammable liquid and vapour.
	H304	May be fatal if swallowed and enters airways.
	H411	Toxic to aquatic life with long lasting effects.
Precautionary Statements		
	P102+405	Store locked up. Keep out of reach of children.
	P273	Avoid release to the environment.
	P210	Keep away from open flames. - No smoking.
	P280	Wear protective gloves.
	P301+330+331+313	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention.
	P501A	Dispose of contents/container in accordance with local authority requirements.
Supplementary Precautionary Statements		
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P403	Store in a well-ventilated place. Keep away from food, drink and animal feedingstuffs.
Supplemental label information		
	EUH066	Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

White Spirit (naphtha (petroleum), hydrodesulfurised heavy (<0.1% benzene)) 60-95%

CAS-No.: 64742-82-1 EC No.: 265-185-4

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	Xn;R65.
EUH066	N;R51/53.
Asp. Tox. 1 - H304	R10,R66.
Aquatic Chronic 2 - H411	

1,2,4-TRIMETHYLBENZENE 5-10%

CAS-No.: 95-63-6 EC No.: 202-436-9

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	R10
Acute Tox. 4 - H332	Xn;R20
Skin Irrit. 2 - H315	Xi;R36/37/38
Eye Irrit. 2 - H319	N;R51/53
STOT SE 3 - H335	
Aquatic Chronic 2 - H411	

XYLENE 1-5%

CAS-No.: 1330-20-7 EC No.: 215-535-7

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	R10
Acute Tox. 4 - H312	Xn;R20/21
Acute Tox. 4 - H332	Xi;R38
Skin Irrit. 2 - H315	

cumene		1-5%
CAS-No.: 98-82-8	EC No.: 202-704-5	

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	R10
Acute Tox. 4 - H302	Xn;R65
STOT SE 3 - H335	Xi;R37
Asp. Tox. 1 - H304	N;R51/53
Aquatic Chronic 2 - H411	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of 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.

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.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

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

5.3. Advice for firefighters

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.

Protective equipment for fire-fighters

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Do not allow spilt material to enter drains or water courses. Cover all drains and sewers. Avoid spreading spilled material. Contain spillages with sand, earth or suitable inert 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.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Absorb in vermiculite, sand, diatomaceous earth or other inert absorbent 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.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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
naphtha (petroleum), hydrodesulfurised heavy (<0.1% benzene)	WEL		1000 mg/m3			
White Spirit (naphtha (petroleum), hydrodesulfurised 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.

XYLENE (CAS: 1330-20-7)

DNEL				
Industry	Inhalation.	Short Term	Systemic Effects	289 mg/m3
Industry	Inhalation.	Short Term	Local Effects	289 mg/m3
Industry	Dermal	Long Term	Systemic Effects	180 mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects	77 mg/m3
Consumer	Inhalation.	Short Term	Systemic Effects	174 mg/m3
Consumer	Inhalation.	Short Term	Local Effects	174 mg/m3
Consumer	Dermal	Long Term	Systemic Effects	108 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	14.8 mg/m3
Consumer	Oral	Long Term	Systemic Effects	1.6 mg/kg/day
PNEC				
Freshwater	0.327	mg/l		
Marinewater	0.327	mg/l		
Intermittent release	0.327	mg/l		
STP	6.58	mg/l		
Sediment (Freshwate	12.46	mg/kg		
Sediment (Freshwate	12.46	mg/kg		
Soil	2.31	mg/kg		

cumene (CAS: 98-82-8)

DNEL				
Industry	Inhalation.	Long Term	Local Effects	250 mg/m3
Industry	Dermal	Long Term	Systemic Effects	15.4 mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects	100 mg/m3
Consumer	Dermal	Long Term	Systemic Effects	1.2 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	16.6 mg/m3
Consumer	Oral	Long Term	Systemic Effects	5 mg/kg/day
PNEC				
Freshwater	0.035	mg/l		
Marinewater	0.0035	mg/l		
Intermittent release	0.012	mg/l		
STP	200	mg/l		
Sediment (Freshwate	3.22	mg/kg		
Sediment (Marinewat	0.322	mg/kg		
Soil	0.624	mg/kg		

1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

DNEL				
Industry	Inhalation.	Short Term	Systemic Effects	100 mg/m3
Industry	Dermal	Long Term	Systemic Effects	16171 mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects	100 mg/m3
Industry	Inhalation.	Long Term	Local Effects	100 mg/m3
Consumer	Inhalation.	Short Term	Systemic Effects	29.4 mg/m3
Consumer	Inhalation.	Short Term	Local Effects	29.4 mg/m3
Consumer	Dermal	Long Term	Systemic Effects	9512 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	29.4 mg/m3
Consumer	Oral	Long Term	Systemic Effects	15 mg/kg/day
PNEC				
Freshwater	0.12	mg/l		
Marinewater	0.12	mg/l		
Intermittent release	0.12	mg/l		
STP	2.41	mg/l		
Sediment (Freshwate	13.56	mg/kg		
Sediment (Marinewat	13.56	mg/kg		
Soil	2.34	mg/kg		

8.2. Exposure controls

Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

If ventilation is insufficient suitable respiratory protection must be provided.

Seek advice and recommendations of the manufacturer or supplier of equipment

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. The UK HSE guidance recommends a safety factor of 75% be applied to times obtained by laboratory tests.

Seek advice from the manufacturer or supplier.

Personal hygiene is a major factor in effective hand care. Gloves should only be worn on clean hands. After using gloves, hands should be washed and thoroughly dried 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 hands 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Colourless liquid.
Odour	Hydrocarbon.
Solubility	Insoluble in water
Initial boiling point and boiling range	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	>40°C
Auto Ignition Temperature (°C)	approx 230°C
Flammability Limit - Lower(%)	0.6
Flammability Limit - Upper(%)	8.0

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

None known.

10.4. Conditions to avoid

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

10.5. Incompatible materials

10.6. Hazardous decomposition products

During fire, toxic gases (CO, CO2) are formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

No data are available for this product. It has been classified according to the calculation procedure of the EC Dangerous Preparations Directive using known information and calculated data about the individual components then read across to the Classification, Labelling and Packaging of substances and mixtures directive (as amended).

Inhalation
In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

Ingestion
Aspiration hazard if swallowed; harmful if liquid is aspirated into the lungs, may even prove fatal. Accidental swallowing of small quantities is unlikely to cause harm but larger amounts may cause nausea and diarrhoea.

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 Peripheral nervous system.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute Fish Toxicity
No data is available for this preparation. Classified according to the calculation procedure of the EC Dangerous Preparations Directive using known data and information about the individual components

12.2. Persistence and degradability

Degradability
The degradability of the product has not been stated. The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential
The product contains potentially bioaccumulating substances.

12.4. Mobility in soil

Mobility:
The product is immiscible with water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

The product contains volatile, organic compounds which have a photochemical ozone creation potential.

SECTION 13: DISPOSAL CONSIDERATIONS

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

13.1. Waste treatment 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.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1300

UN No. (IMDG)	1300
UN No. (ICAO)	1300

14.2. UN proper shipping name

Proper Shipping Name	TURPENTINE SUBSTITUTE (White Spirit (naphtha (petroleum), hydrodesulfurised heavy (<0.1% benzene)))

14.3. Transport hazard class(es)

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3

Transport Labels

14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

14.6. Special precautions for user

EMS	F-E, S-E
Emergency Action Code	3Y
Hazard No. (ADR)	30
Tunnel Restriction Code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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/l5.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).
EU Legislation
ADR (L'Accord européen relative au transport international des marchandises dangereuses par route.)
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.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments
Revised CLP Precautionary phrase(s).

Revision Date	10-DEC-12
Revision	05 replaces 04 :00156
Supersedes date	02-NOV-12

Risk Phrases In Full

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20	Harmful by inhalation.
R65	Harmful: may cause lung damage if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.