

1. PRODUCT AND COMPANY IDENTIFICATION

1.01 Product Code	Ultrimax T-Wash
1.02 Manufacturer/Supplier	Ultrimax Coatings Ltd
1.03 Address	Clayfield Industrial Estate, Tickhill Road, Doncaster, DN4 8QG
1.04 Contact	www.ultrimaxcoatings.co.uk
1.05 Phone Number	01302 856666
1.06 Fax Number	01302 571510
1.7 Emergency Phone Number	01302 856666

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Flam. Liq. 3 - H226 STOT SE 3, H336 (Narcotic effects)

The Full Text for all Hazard Statements are Displayed in Section 16.

2.2 Label elements

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

Signal Word:

Warning

Hazard pictograms



GHS02

GHS07

Hazard phrases:

H226 Flammable liquid and vapour.

H319+EUH066 Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.

H336 May cause drowsiness or dizziness.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P235 Store in a well-ventilated place. Keep cool.

Other hazards:

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Chemical characterization: Substances

Substance	CAS and EC number	Classification (EC 1272/2008)	Type
Isopropanol	CAS 67-63-0 EC 200-661-7	Flamm Liq. 2, H225 H319+EUH066	[1] [2]
1-methoxy-2-propanol	CAS: 107-98-2 EC: 203-539-1	Flam. Liq. 3, H226 STOT SE 3, H336 (Narcotic effects)	[1] [2]
phosphoric acid	CAS: 7664-38-2 EC: 231-633-2	Skin Corr. 1B, H314 Eye Dam. 1, H318	[1] [2]
copper(II) carbonate	CAS: 12069-69-1 EC: 235-113-6	Acute Tox. 4, H302	[1]

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information

Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Perform artificial respiration if breathing has stopped. Do not give victim anything to drink if they are unconscious. Place unconscious person on the side in the recovery position and ensure breathing can take place.

Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation

Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. Get medical attention if any discomfort continues.

Skin contact

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, Wash with plenty of soap and water.

Ingestion

Immediately rinse mouth and provide fresh air. DO NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Inhalation :

Harmful if inhaled. May cause respiratory irritation.

Ingestion :

May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.

Skin contact :

Harmful in contact with skin. Causes skin irritation.

Eye contact :

Causes serious eye irritation

Over-exposure signs/symptoms

4. FIRST AID MEASURES

Over-exposure signs/symptoms

Inhalation :	Lung oedema. Central nervous system depression. Vapours may cause drowsiness and dizziness. Nausea, vomiting. Headache and unconsciousness.
Eye contact :	Adverse symptoms may include the following: pain or irritation / watering / redness
Skin contact :	Symptoms may include the following : irritation and/or redness
Ingestion :	Adverse symptoms may include the following: nausea or vomiting

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable : In case of fire, use water spray, foam, dry chemical or CO2.
Not suitable : Do not use water jet as this may spread the fire.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture Flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products

Decomposition products may include the following materials: carbon dioxide and carbon monoxide

5.3 Advice for firefighters

Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Fire-fighting measures : Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures for non-emergency personnel

For emergency responders :

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

Do not discharge onto the ground or into water courses. Prevent entry into drains. Contain spillages with sand, earth or any suitable adsorbent material.

6.3. Methods and material for containment and cleaning up

If leakage cannot be stopped, evacuate area. Clean-up personnel should use respiratory and/or liquid contact protection. Wash thoroughly after dealing with a spillage. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Runoff or release to sewer, waterway or ground is forbidden. Inform Authorities if large amounts are involved. Absorb with sand or other inert absorbent.

6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

7. HANDLING & STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Storage tanks and other containers must be grounded. Protect electric equipment against sparking in case of risk of explosion. Wear full protective clothing for prolonged exposure and/or high concentrations. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Ground container and transfer equipment to eliminate static electric sparks. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Suitable containers: mild steel, stainless steel. Aluminium. Do NOT use container made of: copper. May attack some plastics, rubber and coatings. Storage Class Flammable liquid storage.

7.3. Specific end use(s)

Usage Description : Pump at < 7 metres per second. Take precautionary measures against static discharges.

Advice on general occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs	STEL- 15 Mins	Notes
Isopropanol	WEL	999 mg/m ³ , 400 ppm	1250 mg/m ³ , 500ppm	
1-methoxy-2-propanol	WEL	375 mg/m ³ , 100ppm	560 mg/m ³ , 150ppm	sk
phosphoric acid	WEL	1 mg/m ³ ,	2 mg/m ³	

Ingredient Comments

Sk = absorbed through skin

WEL = Workplace Exposure Limits



8.2. Exposure controls/Protective equipment

Process conditions	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench.
Engineering measures	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Must not be handled in confined space without sufficient ventilation. Explosion-proof general and local exhaust ventilation.
Respiratory equipment	If ventilation is insufficient, suitable respiratory protection must be provided. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Chemical respirator with organic vapour cartridge. Check that mask fits tight and change filter regularly.
Hand protection	Protective gloves must be used if there is a risk of direct contact or splash. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Use protective gloves made of: Butyl rubber. Nitrile. Polyvinyl chloride (PVC). Manufactured/tested in accordance with EN 374.
Eye protection	Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Wear splash-proof eye goggles to prevent any possibility of eye contact. If risk of splashing, wear safety goggles or face shield. Manufactured/Tested in accordance with EN 166.
Other Protection	Use barrier creams to prevent skin contact. Provide eyewash station and safety shower. Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. Eating, smoking and water fountains prohibited in immediate work area. DO NOT SMOKE IN WORK AREA!
Environmental Exposure Controls	Avoid release to the environment. If possible use in closed systems.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Colour:	Colourless
Odour:	Alcohol-like
pH-value (- g/l) :	neutral
Change in condition	
Melting point/Melting range:	-89.5°C
Boiling point/Boiling range:	82°C
Flash point:	35°C
Trade name:	Mordant solution
Ignition temperature:	not available
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	not available
Vapour pressure at 20°C:	not available
Density at 20°C:	0.987 g/cm ³
Solubility :	Soluble in cold water

10. STABILITY & REACTIVITY

10.1. Reactivity

The product may form explosive vapours/air mixtures even at normal room temperatures.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

Hazardous Polymerisation - Will not polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid : Strong oxidising substances. Strong reducing agents. Strong acids.

10.6. Hazardous decomposition products

None under normal conditions.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product /ingredient name : copper(II) carbonate LD50 Oral - Rat - 1350 mg/kg

Remarks: not available

Product /ingredient name	Result	Species
Isopropanol	Eyes - moderate irritant Skin - severe irritant	Rabbit
1-methoxy-2-propanol	Eyes - mild irritant Skin - mild irritant	Rabbit
Sensitisation :	not available	
Mutagenicity :	not available	
Carcinogenicity :	not available	
Reproductive toxicity :	not available	
Teratogenicity :	not available	
Specific target organ toxicity (single exposure)		
1-methoxy-2-propanol	category 3	Narcotic effects
Isopropanol	category 3	Narcotic effects

Specific target organ toxicity (repeated exposure) : not available

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity

There is no data available on the mixture itself

Do not allow to enter drains or watercourses.

The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No known significant effects or critical hazards

13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by products should at all times comply with the requirements of the environmental protection and waste disposal legislation and any regional local authority requirements. Offer surplus and non-recyclable solutions to a licensed disposal company. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

General information

Do not allow to enter drains or watercourses

Contaminated packaging

Dispose of as unused product.

13.1. Waste treatment methods

Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of waste and residues in accordance with local authority requirements. Confirm disposal procedures with environmental engineer and local regulations.

Waste Class

Hazardous Waste

Special precautions

Empty containers may retain product residue vapours can create a highly flammable or explosive atmosphere inside the container. Do not weld, cut or grind used containers unless they have been cleaned thoroughly internally.

14. TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

14.2. UN proper shipping name.

Proper Shipping Name : FLAMMABLE LIQUID, N.O.S.
(Propan-2-ol, 1-Methoxy-2-propanol)

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 111

IMDG Packing group 111

ICAO Packing group 111

14.5. Environmental hazards

Environmentally Hazardous

Substance/Marine Pollutant : No

14.6. Special precautions for user

EMS F-E, S-D

Emergency Action Code 3YE

Hazard No. (ADR) 33 flammable liquid Tunnel Restriction Code (D/E)

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

15. REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716). Control of Substances Hazardous to Health.

Guidance Notes

Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (CHIP 4) ECHA Guidance on the Compilation of Safety Data Sheets, September 2011.

EU Legislation

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. Regulation (EU) 453/2010.

16. OTHER INFORMATION

General information

This datasheet is not intended to be a replacement for a full risk assessment, these should always be carried out by competent persons.

Under REACH Material Safety Datasheets (MSDS) are referred to as Safety Datasheets (SDS).

Information Sources

Raw material safety data sheets. ECHA website. Health Protection Agency Information. Information in sections 8, 11 and 12 has been taken from the ECHA website - toxicological and ecotoxicological information.

Hazard Statements In Full

H226 Flammable liquid and vapour.

H319+EUH066 Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.

H336 May cause drowsiness or dizziness.

STOT SE Specific target organ toxicity - single exposure

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 themselves as to the suitability of such information for his own particular use.