

# UR10 28LINE WHITE GLOSS URETHANE BASE

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	UR10 28LINE WHITE GLOSS URETHANE BASE
<b>Other Means of Identification</b>	Paint
<b>Product Family</b>	28-LINE
<b>Recommended Use</b>	Industrial use only.
<b>Restrictions on Use</b>	Not applicable.
<b>Manufacturer/Supplier Identifier</b>	Allcolour Paint Limited, 1257 Speers Road, Oakville, Ontario, L6L 2X5, (905) 827-4173
<b>Emergency Phone No.</b>	CANUTEC (24 Hours), (613) 996-6666 Allcolour Paint Limited, (905) 827-4173
<b>SDS No.</b>	1209

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Flammable liquid - Category 2; Acute toxicity (Oral) - Category 5; Acute toxicity (Dermal) - Category 5; Acute toxicity (Inhalation) - Category 4; Skin irritation - Category 2; Eye irritation - Category 2; Carcinogenicity - Category 2; Reproductive toxicity - Category 1B; Reproductive toxicity - Effects on or via lactation; Specific target organ toxicity (single exposure) - Category 2; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 2; Aspiration hazard - Category 2

### Label Elements



### Warning

Flammable liquid and vapour.  
 May be harmful if swallowed, in contact with skin or if inhaled.  
 May be harmful if swallowed and enters airways.  
 Causes skin and eye irritation.  
 Suspected of causing cancer.  
 May cause respiratory irritation.  
 May cause drowsiness or dizziness.  
 May damage the unborn child.  
 May cause harm to breast-fed children.  
 May cause damage to organs through prolonged or repeated exposure.  
 Do not handle until all safety precautions have been read and understood.  
 Keep away from heat, sparks, open flames, and hot surfaces. – No smoking.  
 Keep container tightly closed.  
 Ground/bond container and receiving equipment.  
 Use explosion-proof electrical/ventilating/lighting//equipment.  
 Use non-sparking tools.

Take precautionary measures against static discharge.  
 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 Wash hands thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves/eye protection/face protection.  
 IF SWALLOWED: Immediately call a POISON CENTRE or doctor.  
 IF ON SKIN: Wash with plenty of water.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 Get medical advice or attention if you feel unwell.  
 Take off contaminated clothing and wash it before reuse.  
 Store in a well-ventilated place. Keep cool.  
 Dispose of contents and container in accordance with local, regional, national and international regulations.

**Other Hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Titanium dioxide	13463-67-7	20-30		
Propylene glycol monomethyl ether acetate	108-65-6	10-20		
Methyl isobutyl ketone	108-10-1	5-10		
n-Butyl acetate	123-86-4	1-5		
Ethylbenzene	100-41-4	1-5		
Solvent naphtha	64742-94-5	1-5		
Stoddard Solvent	8052-41-3	1-5		
Silica 2482, hydrophobic	7631-86-9	1-5		
Aluminum hydroxide	21645-51-2	1-5		
Xylene (mixed isomers)	1330-20-7	0.1-1		

**SECTION 4. FIRST-AID MEASURES**

**First-aid Measures**

**Inhalation**

Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. If the heart has stopped, trained personnel should start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED).

**Skin Contact**

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Brush off loose particles from skin. Rinse skin with water or shower.

**Eye Contact**

Quickly and gently blot or brush chemical off the face. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion**

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not

induce vomiting. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again.

#### **First-aid Comments**

If exposed or concerned, get medical advice or attention.

#### **Most Important Symptoms and Effects, Acute and Delayed**

Can irritate the nose and throat. Can cause lung injury. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest. Can harm the nervous system. Symptoms may include headache, nausea, dizziness, drowsiness and confusion.

#### **Immediate Medical Attention and Special Treatment**

##### **Target Organs**

Eyes, kidneys, liver, nervous system, respiratory system, skin.

##### **Special Instructions**

Not applicable.

##### **Medical Conditions Aggravated by Exposure**

None known.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

#### **Unsuitable Extinguishing Media**

Water is not effective for extinguishing a fire. It may not cool product below its flash point.

### **Specific Hazards Arising from the Product**

This product presents no unusual hazards in a fire situation.

Irritating chemicals; very toxic carbon monoxide, carbon dioxide.

### **Special Protective Equipment and Precautions for Fire-fighters**

Evacuate area. Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapours or gases. Dike and recover contaminated water for appropriate disposal.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Evacuate downwind locations. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Eliminate all ignition sources if safe to do so.

### **Environmental Precautions**

If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Minimize the use of water to prevent environmental contamination.

### **Methods and Materials for Containment and Cleaning Up**

Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Do NOT use combustible materials such as sawdust. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment. Dike and recover contaminated water for appropriate disposal.

### **Other Information**

Report spills to local health, safety and environmental authorities, as required.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

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Avoid breathing in this product. Avoid repeated or prolonged skin contact. Do not get in eyes, on skin or on clothing. Avoid exposure during pregnancy and while nursing. Only use where there is adequate ventilation. Avoid generating vapours or mists. Avoid generating dusts. Prevent uncontrolled release of product.

### Conditions for Safe Storage

Store in an area that is: cool, dry, ventilated, out of direct sunlight and away from heat and ignition sources, clear of combustible and flammable materials (e.g. old rags, cardboard). Comply with all applicable health and safety regulations, fire and building codes.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
n-Butyl acetate	50 ppm	150 ppm	150 ppm			
Methyl isobutyl ketone	20 ppm A3	75 ppm	100			
Xylene (mixed isomers)	100 ppm A4					
Propylene glycol monomethyl ether acetate					50 ppm	
Ethylbenzene	20 ppm A3		100 ppm			
Solvent naphtha			500 ppm			
Stoddard Solvent	100 ppm Skin		500 ppm			
Titanium dioxide	10 mg/m3 A4		15 mg/m3			
Silica 2482, hydrophobic	10 mg/m3					

### Appropriate Engineering Controls

General ventilation is usually adequate. For large scale use of this product: do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Control static electricity discharges which includes bonding of equipment to ground. Provide eyewash in work area, if contact or splash hazard exists.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	White volatile liquid.
<b>Odour</b>	Fruity
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting Point/Freezing Point</b>	Not available (melting); Not available (freezing)
<b>Initial Boiling Point/Range</b>	> 35 °C (95 °F)
<b>Flash Point</b>	~ 16 °C (61 °F) (closed cup)
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available

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<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	~ 1.26
<b>Solubility</b>	Slightly soluble in water; Not available (in other liquids)
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Liquid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Prolonged exposure to high temperatures. Open flames, sparks, static discharge, heat and other ignition sources. Accumulation of static charge. Prolonged exposure to air. Generation of dust.

### Incompatible Materials

NITRIC ACID - may detonate immediately on contact with concentrated nitric acid.

STRONG OXIDIZING AGENTS (e.g. liquid oxygen, chlorates, chromic acid, perchlorates, peroxides or permanganates) - may react violently. Increased risk of fire and explosion.

1,3-DICHLORO-5,5-DIMETHYL-2,4-IMIDAZOLIDINDIONE (DICHLOROHYDRANTOIN) - reaction can be explosive.

Not corrosive to metals.

### Hazardous Decomposition Products

Irritating chemicals; very toxic carbon monoxide, carbon dioxide.

## SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
n-Butyl acetate	~ 1802 mg/m <sup>3</sup> (rat) (4-hour exposure) (aerosol)	~ 10700 mg/kg (female rat) (vapour)	> 5000 mg/kg (rabbit) (vapour)
Methyl isobutyl ketone	~ 2000-4000 ppm (rat) (4-hour exposure) (vapour)	~ 1200 mg/kg (male mouse) (vapour)	> 2000 mg/kg (rabbit) (vapour)
Xylene (mixed isomers)	4550 ppm (male rat) (4-hour exposure) (vapour)	3523 mg/kg (male rat)	
Propylene glycol monomethyl ether acetate	> 5320 ppm (rat) (4-hour exposure) (vapour)	~ 8532 mg/kg (female rat) (vapour)	> 5000 mg/kg (rabbit) (vapour)

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Ethylbenzene	~ 4000 ppm (rat) (4-hour exposure) (vapour)	~ 3500 mg/kg (rat) (vapour)	~ 15380 mg/kg (rabbit) (vapour)
Stoddard Solvent	> 5500 mg/m <sup>3</sup> (rat) (4-hour exposure) (vapour)	> 5000 mg/kg (rat) (vapour)	> 3000 mg/kg (rabbit) (vapour)
Titanium dioxide	> 6820 mg/m <sup>3</sup> (rat) (4-hour exposure) (dust)	> 25000 mg/kg (rat) (dust)	
Silica 2482, hydrophobic	> 2080 mg/m <sup>3</sup> (rat) (4-hour exposure) (dust)	> 3160 mg/kg (mouse)	

#### Skin Corrosion/Irritation

Human experience and animal tests show moderate or severe irritation.

#### Serious Eye Damage/Irritation

Human experience and animal tests show serious eye irritation.

#### STOT (Specific Target Organ Toxicity) - Single Exposure

##### Inhalation

May be harmful based on human experience and animal tests. May be harmful.

##### Skin Absorption

May cause damage to organs based on animal tests.

##### Ingestion

May be harmful based on human experience and animal tests. May be harmful.

#### Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited.

#### STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause harmful effects on the kidneys, harmful effects on the liver, effects on the central nervous system. Symptoms may include restlessness, reduced ability to think, muscle tremors, memory loss and personality changes. "organic solvent syndrome". Symptoms may include headaches, fatigue, memory loss, irritability, depression and reduced ability to think or reason. Harmful effects on the hearing (auditory) system, dermatitis. Symptoms may include dry, red, cracked skin (dermatitis).

#### Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

#### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
n-Butyl acetate	Not evaluated	Not designated	Not Listed	
Methyl isobutyl ketone	Group 2B	A3	Not Listed	
Xylene (mixed isomers)	Group 3	A4		
Propylene glycol monomethyl ether acetate	Not evaluated	Not Listed	Not Listed	
Ethylbenzene	Group 2B	A3	Not Listed	
Solvent naphtha	Group 3			
Stoddard Solvent	Group 3	Not designated	Not Listed	
Titanium dioxide	Group 2B	A4	Not Listed	
Silica 2482, hydrophobic	Group 3	Not Listed	Not Listed	
Aluminum hydroxide	Not evaluated	Not Listed	Not Listed	

May cause cancer based on animal studies. IARC: Group 2B – Possibly carcinogenic to humans. ACGIH®: A3 – Confirmed animal carcinogen. (Methyl isobutyl ketone). (Di(2-ethylhexyl)phthalate). (Ethylbenzene)

#### Key to Abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists. IARC = International Agency for Research on Cancer. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration.

## Reproductive Toxicity

### Development of Offspring

May harm the unborn child. (Xylene (mixed isomers))

### Sexual Function and Fertility

Conclusions cannot be drawn from the limited studies available.

### Effects on or via Lactation

May cause effects on or via lactation.

## Germ Cell Mutagenicity

Conclusions cannot be drawn from the limited studies available.

## Interactive Effects

No information was located.

## Other Information

exposure to related solvents, such as benzene, toluene and ethanol (alcohol) slows the rate of clearance of xylenes from the body, thus enhancing its toxic effects

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No information was located.

### Persistence and Degradability

No information was located.

### Bioaccumulative Potential

No information was located.

### Mobility in Soil

If released into the environment, this product is expected to move rapidly through the soil, based on physical and chemical properties.

### Other Adverse Effects

There is no information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1263	PAINT	3	II

**Environmental Hazards** Potential Marine Pollutant

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**Emergency Response Guide No.** 128

**Proof of Dangerous Goods Classification**

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**Technical Name** PAINT  
**Classification** UN 1263, PAINT, CLASS 3, PG II  
**Classification Method** Lab Formulation Report

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

##### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

#### USA

##### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

## SECTION 16. OTHER INFORMATION

**NFPA Rating** Health - 2 Flammability - 3 Instability - 0

**SDS Prepared By** Allcolour Paint Limited

**Phone No.** 19058274173

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**Key to Abbreviations** ACGIH® = American Conference of Governmental Industrial Hygienists  
AIHA® = AIHA® Guideline Foundation. HSDB® = Hazardous Substances Data Bank  
IARC = International Agency for Research on Cancer  
NFPA = National Fire Prevention Association  
NIOSH = National Institute for Occupational Safety and Health  
NTP = National Toxicology Program  
OSHA = US Occupational Safety and Health Administration  
RTECS® = Registry of Toxic Effects of Chemical Substances

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).  
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

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