



## SAFETY DATA SHEET

## MC03



**Section 1 –Identification of the substance/preparation and of the company/undertaking**

Manufacture's name TOA-Union Paint Co., Ltd.	Emergency Telephone Number 02-335-5555
Address (Number, Street, City, State, and Zip Cord) 104 soi Pukmitr, Moo 1, Tambol Samrongtai, Amphur Phrapradaemg, Samutprakarn, 10131, Thailand	Telephone Number For Information 02-335-5555
	Signature of Preparer (optional)

**Section 2 –Composition /Information on ingredient**

Hazardous Components (specific Chemical identity: Common Name (s))	CAS number	% (optional)	Classification
<i>Polyurethane Resin</i>	-	30 ~ 40	-
<i>Solvent 100</i>	64742-95-6	30 ~ 40	R20/21,R10, R36/38
<i>Xylene</i>	1330-20-7	10 ~ 20	R20/21,R10, R36/38
<i>Cellosolve Acetate</i>	111-15-9	10 ~ 20	R10, R36/38

**Section 3 –Hazards identification**

<b>Classification of the Substance or Mixture</b>	Flammable liquids : Category 3 Acute toxicity (Oral) : Category 4 Acute toxicity (Inhalation): Category 4 Eye irritation : Category 2A Skin irritation : Category 2 Specific target organ toxicity following single exposure : Category 3
<b>Label elements</b>	  <b>Hazard Statements :</b> H226 - Flammable liquid and vapor H227 - Combustible liquid H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H315 - Causes skin irritation H401 - Toxic to aquatic life

	<p><b>GHS Precautionary Statements :</b></p> <p><b>Prevention:</b></p> <p>P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking.</p> <p>P233 - Keep container tightly closed.</p> <p>P240 - Ground/bond container and receiving equipment.</p> <p>P241 -Use explosion-proof electrical/ ventilating/ lighting/ equipment.</p> <p>P242 -Use only non-sparking tools.</p> <p>P243 -Take precautionary measures against static discharge.</p> <p>P280 -Wear protective gloves/ eye protection/ face protection.</p> <p><b>Response:</b></p> <p>P303 + P361 + P353 -IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P332+P313 - If skin irritation occurs: Get medical advice/attention</p> <p>P363 - Wash contaminated clothing before reuse</p> <p>P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.</p> <p><b>Storage:</b></p> <p>P403 + P235 -Store in a well-ventilated place. Keep cool.</p> <p><b>Disposal:</b></p> <p>P501 - Dispose of contents/ container to an approved waste disposal plant.</p>
--	---

<i>Section 4 –First aid measures</i>	
<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
<b>Eye Contact</b>	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
<b>Ingestion</b>	If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

<i>Section 5 –Fire-fighting measures</i>	
<b>Extinguishing Media</b>	Recommended: alcohol resistant foam, CO2, powders, water spray. Not to be used : waterjet.
<b>Recommendations</b>	Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

<i>Section 6 –Accidental release measures</i>	
<b>Personal Precautions</b>	Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8.
<b>Spill</b>	Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

**Section 7 –Handling and storage**

<b>Handling</b>	<p>Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits.</p> <p>In addition, the product should only be used in areas from which all naked lights and other sources of gnition have been excluded. Electrical equipment should be protected to the appropriate standard.</p> <p>To dissipate static electricity during transfer, earth drum and connect to receiving container with bonding strap. Operators should wear anti-static footwear and clothing and floors should be of the conducting type.</p> <p>Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.</p> <p>Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding.</p> <p>Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.</p> <p>Put on appropriate personal protective equipment (see Section 8).</p> <p>Never use pressure to empty : container is not a pressure vessel. Always keep in containers of same material as the original one.</p> <p>Comply with the health and safety at work laws.</p> <p>When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapor in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapor concentration has fallen below the exposure limits.</p>
<b>Storage</b>	<p>Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep away from: oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not empty into drains.</p>

**Section 8 –Exposure controls/personal protection**

<b>Engineering measures</b>	<p>Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapor below the OEL, suitable respiratory protection must be worn.</p>			
Control parameters				
Substance name	8 hour time weighted average exposure limits ( TWA )	Short – term exposure limits ( STEL )	Maximum exposure limits ( CEILING )	Biology standards (BEIs)
SOLVENT 100	-	-	-	-
XYLENE	100	150	-	-
CELLOSOLVE ACETATE	-	-	-	-

**Section 9 –Physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Color</b>	Amber
<b>Odor</b>	Characteristic
<b>Flash point</b>	Closed cup: 28°C
<b>Density</b>	1.00 - 1.1 g/cm <sup>3</sup>
<b>Solubility in water</b>	Insoluble

**Section 10 –Stability and reactivity**

<b>Stability</b>	Stable under recommended storage and handling conditions (see section 7).
<b>Hazardous Decomposition Products</b>	carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.
<b>strong exothermic reactions</b>	oxidizing agents, strong alkalis, strong acids.

**Section 11 –Toxicological information**

<b>General</b>	There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See Chapters 2 and 15 for details.
<b>Skin Contact</b>	Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
<b>Eye Contact</b>	The liquid splashed in the eyes may cause irritation and reversible damage.
<b>Ingestion</b>	Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

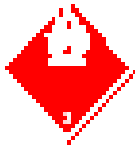
**Section 12 –Ecological information**

Ecotoxicity data			
<b>Ingredient name</b>	<b>Species</b>	<b>Period</b>	<b>Result</b>
SOLVENT 100	-	-	-
XYLENE	-	-	-
CELLOSOLVE ACETATE	-	-	-


**Section 13 –Disposal considerations**

Do not allow to enter drains or watercourses. Material and/or container must be disposed of as hazardous waste.	
<b>European waste catalogue (EWC)</b>	08 01 11 waste paint and varnish containing organic solvents or other dangerous substances

**Section 14 –Transport information**

<b>Proper shipping name</b>	Paint	Packing group	3	Label 
<b>UN. Number</b>	1263	CLASS	3	

**Section 15 – Regulatory information**

<b>EU Regulations</b>	The product is labeled as follows, in accordance with local regulations:
<b>Hazard symbol(s)</b>	 Harmful
<b>Contains</b>	SOLVENT 100, XYLENE, CELLOSOLVE ACETATE
<b>Indication of Danger</b>	Harmful
<b>Risk Phrases</b>	R10- Flammable R20/21- Harmful by inhalation and in contact with skin R36/38- Irritating to eyes and skin R43- May cause sensitisation by skin contact R66- Repeated exposure may cause skin dryness or cracking R67- Vapors may cause drowsiness and dizziness
<b>Safety Phrases</b>	S23- Do not breathe vapor / spray S36/37- Wear suitable protective clothing and gloves S51- Use only in well-ventilated areas
<b>Additional warning phrases</b>	Contains epoxy constituents. See information supplied by the manufacturer. This information is provided by the present Safety Data Sheet

**Section 16 –Other information**

<b>Date of printing</b>	24.04.2020
<b>Prepared by</b>	Sirinat Chatchana (TOA Union Paint (Thailand) Co., Ltd)