



SAFETY DATA SHEET

1113

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>Methanol</i>	67-56-1	1 ~ 10	R20/21,R10, R36/38
<i>Iso butanol</i>	78-83-1	1 ~ 10	R20/21,R10, R36/38
<i>Ethyl Acetate</i>	141-78-6	1 ~ 10	R20/21,R10, R36/38
<i>Butyl Cellosolve</i>	141-78-6	1 ~ 10	R20/21,R10R36/38
<i>Acetone</i>	67-64-1	1 ~ 10	R10, R36/38
<i>Toluene</i>	108-88-3	60 ~ 70	R10, R36/38
<i>Butyl Acetate</i>	141-78-6	10 ~ 20	R20/21,R10,R36/38

Section 3 –Hazards identification

Classification of the Substance or Mixture	Flammable liquids : Category 3 Skin corrosion/irritation, Category 2 Reproductive toxicity, Category 2 Specific target organ toxicity - Single exposure, Category 3 Specific target organ toxicity - Repeated exposure, Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - Acute Hazard, Category 3
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Label elements



Hazard Statements :

H225 Highly flammable liquid and vapour
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs (central nervous system, liver, heart) through prolonged or repeated exposure.
H402 Harmful to aquatic life

GHS Precautionary Statements :

Prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, sparks, open flames, hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical, ventilating, lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe mist, vapours, spray.
P264 Wash exposed skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves, protective clothing, eye protection, face protection.

Response:

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P312 Call a POISON CENTER/doctor if you feel unwell.
P314 Get medical advice and attention if you feel unwell.
P331 Do NOT induce vomiting
P332+P313 If skin irritation occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use carbon dioxide (CO₂), powder, alcohol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.
P405 - Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Section 4 –First aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	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.
Skin contact	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
Ingestion	If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

Section 5 –Fire-fighting measures

Extinguishing Media	Recommended: alcohol resistant foam, CO ₂ , powders, water spray. Not to be used : waterjet.
Recommendations	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.

Section 6 –Accidental release measures

Personal Precautions	Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8.
Spill	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

Handling	<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>
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	<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>
Storage	<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				
Engineering measures	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.			
Control parameters				
Substance name	8 hour time weighted average exposure limits (TWA)	Short – term exposure limits (STEL)	Maximum exposure limits (CEILING)	Biology standards (BEIs)
<i>Methanol</i>	-	-	-	-
<i>Iso butanol</i>	50	-	-	-
<i>Butyl Acetate</i>	150	-	200	-
<i>Butyl Cellosolve</i>	150	-	200	-
<i>Acetone</i>	-	-	-	-
<i>Toluene</i>	50	-	-	-
<i>Ethyl Acetate</i>	400	-	-	-

Section 9 –Physical and chemical properties	
Physical state	Liquid
Color	hazy
Odor	Characteristic
Flash point	Closed cup: 28°C
Density	0.90 – 0.93 g/cm ³
Solubility in water	Insoluble

Section 10 –Stability and reactivity	
Stability	Stable under recommended storage and handling conditions (see section 7).
Hazardous Decomposition Products	carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.
strong exothermic reactions	oxidizing agents, strong alkalis, strong acids.

Section 11 –Toxicological information	
General	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.

Skin Contact	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.
Eye Contact	The liquid splashed in the eyes may cause irritation and reversible damage.
Ingestion	Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

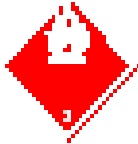
Section 12 –Ecological information

Ecotoxicity data			
Ingredient name	Species	Period	Result
Methanol	Fathead Minnow	96 hours	29400 mg/l
Iso butanol	-	-	-
Butyl acetate	-	-	-
Butyl Cellosolve	-	-	-
Acetone	Trout	96 hours	5540 mg/l
	Fathead Minnow	96 hours	7500 mg/l
	Bluegill	96 hours	8300 mg/l
Toluene	Daphnia	48 hours	313 mg/l
	Fish (Blue Gill)	24 hours	17 mg/l
	Fish (Blue Gill)	96 hours	13 mg/l
	Fish (Fathead minnow)	24 hours	56 mg/l
	Fish (Fathead minnow)	96 hours	34 mg/l
Ethyl acetate	Fish (Fathead minnow)	-	220mg/l
	Fish (Indian catfish)	-	212.5ppm


Section 13 –Disposal considerations

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

Section 14 –Transport information

Proper shipping name	Paint	Packing group	3	
UN. Number	1263	CLASS	3	

Section 15 – Regulatory information

EU Regulations	The product is labeled as follows, in accordance with local regulations:
Hazard symbol(s)	 Harmful
Contains	Methanol, Iso butanol, Butyl acetate, Butyl Cellosolve, Acetone, Toluene, Ethyl acetate
Indication of Danger	Harmful

Risk Phrases	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
Safety Phrases	S23- Do not breathe vapor / spray S36/37- Wear suitable protective clothing and gloves S51- Use only in well-ventilated areas
Additional warning phrases	Contains epoxy constituents. See information supplied by the manufacturer. This information is provided by the present Safety Data Sheet

<i>Section 16 –Other information</i>	
Date of printing	18.02.2019
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