

Safety Data Sheet

Revision Date: Oct. 3, 2013

According to Regulation (EU) No. 453/2010

SECTION 1. CHEMICAL PRODUCT/ COMPANY INFORMATION

1.1 Product identifier

Product Name	TOMA Paint Marker
Product Type	Paint Marker

1.2 Details of the supplier of / emergency telephone number

COMPANY IDENTIFICATION	EMERGENCY PHONE/FAX
TOMA Sp. z o.o. Ul. Szparagowa 10, 62081 Wysogotowo	Phone : 00 48 61 896 28 28 Fax : 00 48 61 896 28 33

SECTION 2. HAZARDS IDENTIFICATION

This product is considered safe under normal use conditions.

2.1 Classification of the substance or mixture

Classification(1999/45/EC) R10

GHS Directive 1272/2008/EC

GHS Symbols



GHS02



GHS07

2.2 Label elements

Risk Phrases	R10	Flammable
	R11	Highly flammable
	R36	Irritating to eyes
	R67	Vapours may cause drowsiness and dizziness
Safety Phrases	S2	Keep out of the reach of children
	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28	After contact with skin, wash immediately with plenty of water.
	S46	If swallowed, seek medical advice immediately and show this container or label,
	S51	Use only in well-ventilated areas.

	S56	Dispose of this material and its container to hazardous or special waste collection point
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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixture

Paint Marker Ink(for Black 、 Red 、 Blue 、 Green 、 Yellow 、 Brown 、 Purple 、 Orange 、 Light Blue 、 Light Green 、 Pink)

Chemical Name	CAS Number/EC Number	Weight %	EC Classification (67/548/EC,1272/2008/EC)
Titanium Dioxide	13463-67-7/236-675-5 Registration number 01-2119489379-17	3-20	N/A
Isopropanol	67-63-0/200-661-7	50-65	F; R11 Xi; R36, R67 Eye Irrit. 2 H319, Flam. Liq. 2 H225, STOT SE 3 H336
Colorant	-	3-10	N/A
Resin	-	15-20	N/A

Paint Marker Ink (for White)

Chemical Name	CAS Number/EC Number	Weight %	EC Classification (67/548/EC,1272/2008/EC)
Titanium Dioxide	13463-67-7/236-675-5 Registration number 01-2119489379-17	25-30	N/A
Isopropanol	67-63-0/200-661-7	50-60	F; R11 Xi; R36, R67 Eye Irrit. 2 H319, Flam. Liq. 2 H225, STOT SE 3 H336
Resin	-	15-20	N/A

Paint Marker Ink(for Silver 、 Gold)

Chemical Name	CAS Number/EC Number	Weight %	EC Classification (67/548/EC,1272/2008/EC)
Metallic Colorant	-	15-20	N/A
Isopropanol	67-63-0/200-661-7	55-65	F; R11 Xi; R36, R67 Eye Irrit. 2 H319, Flam. Liq. 2 H225, STOT SE 3 H336
Resin	-	15-20	N/A

4. FIRST AID MEASURES

Emergency And First Aid Procedures	
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin contact	Immediately flush skin with plenty of soapy water. Get medical attention if irritation develops.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes · lifting lower and upper eyelids occasionally. Consult a physician.
Ingestion	If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, immediately consult a physician.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Carbon dioxide, Alcohol-resistant foam, water spray, dry chemical powder.
Special Fire-Fighting Procedures or Equipment	No information available.
Hazardous Combustion Products	CO ₂ , CO, hydrocarbons.
Unusual Fire/Explosion Hazards	None known.

6. ACCIDENTAL RELEASE MEASURES

Environment Protection	Don't put the high concentration material into the river or sanitary sewer system.
Methods For Cleaning Up	Stop leak if without risk. Sweep or scoop up(e.g. sand, silica gel, universal binder) to remove to acceptable storage waste container.

7. HANDLING AND STORAGE INFORMATION

Handling	This product does not require any special handling.
Storage	Handle in a cool, dry, well-ventilated place away from sources of heat, ignition and direct sunlight. Keep the cup tightly closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Substance	CAS No.	LTEL(8 hr TWA ppm)	LTEL(8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Isopropanol	67-63-0	400	999	500	1250	WEL
Titanium Dioxide	13463-67-7	France	VME(mg/m ³)	10 mg/m ³ (Ti)		

8.2 Exposure Controls

Engineer Control	
Control Factor : Use with adequate ventilation.	
Personal Protective Equipment	
Respiratory Protection	None under normal use conditions. Avoid contact with skin and eyes.
Hand Protection	
Eye Protection	
Skin & Body Protection	

9. PHYSICAL/CHEMICAL PROPERTIES

Special Gravity(H ₂ O=1) : 0.85-1.10	Boiling Point/Range : 82-83°C, 1,013hPa
Appear and Odor : Color liquid with solvent odor	Flash Point : 11-13°C (Closed Cup)
Solubility in water : in part	Solubility Organics : in part
pH: Not Applicable	Melting Point/Range : -86 - -88°C
Vapor Pressure : 42 hPa at 20°C/ 60.2 hPa at 25°C	LEL: 2%(V) UEL: 12%(V)

10. SYTABILITY/REACTION

This product is considered safe under normal use conditions. (Ensure adequate ventilation.)

Reactivity	Not specific reactivity hazards associated with this product.
Chemical Stability	Stable and not reactive.
Conditions to Avoid	Avoid heat, flames, sparks, and other source of ignition.
Possibility of hazardous reaction	Vapours may form explosive mixture with air.
Incompatible materials	N/A (For Gold/Silver ink: Strong oxidizers)
Hazardous decomposition products	N/A

11. TOXICOLOGICAL INFORMATION

This product is considered safe under normal use conditions. (Ensure adequate ventilation.)

Acute toxicity

Propan-2-ol LD50 Oral Rat 5000 mg/kg -

Product/ingredient name	Result	Species	Dose	Exposure	Mutagenicity	Irritation/Corrosion
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Propan-2-ol	Eyes - Moderate irritant	Rabbit	- 24 hours	100milligrams-		
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Eyes - Moderate irritant	Rabbit	- 10 milligrams -				
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Eyes - Severe irritant	Rabbit	- 100 milligrams-				
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Skin - Mild irritant	Rabbit	- 500 milligrams-				
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12. ECOLOGICAL INFORMATION

Possibility Of Environmental Impact

Small to moderate amounts of this material is not expected to cause any significant adverse effects on the environment when it is used as intended and/or properly disposed of. Components of this material are not biomagnified or bioconcentrated in the environment.	
Toxicity (For Isopropal /CAS Number: 67-63-0)	
Toxicity to fish	LC50:>100mg/l, 48h, Leuciscus idus melanotus, static GLP : no (literature value)
Toxicity to daphnia and other	EC50:> 100mg/l, 48h, Daphnia magna, static test, GLP: no, aquatic invertebrates(literature value)
Toxicity to algae	EC50:> 100mg/l, 72h, Scenedesmus subspicatus, static test, GLP: no(literature value)
Persistence and degradability	Biodegradability aerobic >70%, Result: Readily biodegradable, Exposure time: 10d, content7mg/l, GLP : no (literature value)

13. DISPOSAL CONSIDERATIONS

Disposal Information	Up to moderate amounts of this material may be safely disposed of in a municipal landfill. For large amounts, consult local disposal regulations.
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14. TRANSPORT INFORMATION

International Transport Regulation
Because of its low volume, this product contains no materials at levels that would require US transpiration code designation for hazardous materials. I.D. No. (UN/NA) : UN 1263 (Paint) Class 3: Flammable liquid Packing Group:II Shipping Name: Paint

15. Regulatory Information

Note : Regulations pertaining to the use and disposal of the components of this product may be subject to change or may differ from one location to another. The regulatory information included here should not necessarily be considered all-inclusive.

16. OTHER INFORMATION

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Revision Date	Oct. 3, 2013