

# Material Safety Data Sheet

Issue Date: March 31, 2008

Supersedes: NONE

## 1. CHEMICAL PRODUCT / COMPANY INFORMATION

Produkt Name	Toma Paint Marker
Produkt Type	Paint Marker
Synonims	None

Company Identyfication	Emergency Phone
Toma Sp. z o.o. Ul.Szparagowa 10 62-081 Wysogotowo	Phone 61 896 28 28 Fax 61896 2833

### Hazard Ratings

	NPCA/HMIS	NFPA 704
Heath	2	2
Flammability	3	3
Reaction	0	0

### Ratings Key

0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

NPCA/HMIS: National Paint and Coatings Association's Hazardous Materials Information System

NFPA: National Fire Protection Association

## 2. Composition/Information on Ingredients

Paint Marker Ink (for Black, Red, Blue, Green, Yellow, Brown, Purple, Orange)

Chemical Name	CAS Number	Weight %
Titanium dioxide	13463-67-7	15-20
Isopropanol	67-63-0	50-60
Colorant	-	3-8
Resin	-	15-20

Paint Marker Ink white

Chemical Name	CAS Number	Weight %
Titanium dioxide	13463-67-7	15-20
Isopropanol	67-63-0	50-60
Resin	-	15-20

Paint Marker Ink (for Silver and Gold):

Chemical Name	CAS Number	Weight %
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Metallic Colorant	-	15-20
Isopropanol	67-63-0	55-65
Resin	-	15-20

### 3. HAZARDS IDENTIFICATION/EMERGENCY OVERVIEW

Danger: Extremely flammable liquid and vapor. Harmful or fatal if swallowed or inhaled.

#### Major Hazard Effect:

Hazard Warnings for health	<p>Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slight hazardous in case of skin contact. Potential Chronic Health Effects:</p> <p>Slight hazardous in case of skin contact (sensitizer). Carcinogenic Effects: A4 (Not classifiable for human or animal.) by ACGIH, 3 (not classifiable for human.) by IARC</p>
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### 4. FIRST AND 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 a least 15 minutes, lifting, lower and upper eyelids occasionally. Call a physician.
Ingestion	If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, immediately call a physician.

### 5. FIRE FIGHTING MEASURES

Extinguishing Media	Carbon dioxide, water spray, dry chemical foam.
Special fire fighting Procedures or Equipment	None required
Hazardous Combustion Products	CO <sub>2</sub> , CO, hydrocarbons
Unusual Fire/ Explosion Hazards	None known

## 6. ACCIDENTAL RELEASE MEASURES

Environment Protection	Don't put the high concentration material into the river.
Methods for cleaning up	Stop leak if without risk. Sweep or scoop up 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. Keep the cup tightly closed when not in use.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineer Control  
Control Factor: Use with adequate ventilation.

Personal Protective Equipment:

Respiratory Protection	None under normal use conditions.
Hand Protection	None under normal use conditions.
Eye Protection	None under normal use conditions.
Skin and body Protection	None under normal use conditions.

## 9. Physical/ Chemical Properties

Special Gravity (water=1) 0,9 – 1,1 at 23°C	Vapor Density (Air=1) : 2.0-2.1
Appear and Odor : Color liquid with solvent odor	Flash Point : 11-14 °C (Closed Cup)
Solubility in water: in part	Solubility Organics : soluble
Boiling Point/ Range : 82- 83°C	Melting Point/ Range: -86 - - 88 °C
Vapor Pressure (mmHg) : 32-35 at 20 °C	

## 10. Stability Reaction

Stability	Stable and not reactive
Conditions To Avoid	Avoid heat, flames, sparks, and other source of ignition.
Chemical Incompatibility	Strong oxidizers.

## 11. Toxicological Information

Carcinogen or potential	NTP	IARC	OSHA
Health Hazard (Acute or Chronic)	N/A	N/A	N/A

This product is considered safe under use conditions.

## 12. Ecological Information

Possibility Of Environmental Impact / Move
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.

## 13. Disposal Consideration

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. Transportation information

International Transport Regulation:

Because of its low volume, this products contains no materials at levels that would require US transpiration code designation for hazardous materials.

Hazard class: 3; Flammable Liquid I.D. No. (UN/NA) : UN 1139

## 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.**

Apply regulation:

Because of the low volume of liquid in this products, and ingredient in it are found at levels that do not subject them to the reporting requirements of Section 313 or Title III of the Superfund Amendment Reauthorization Act (SARA) and 40 CFR part 372, the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65), Or the Hazardous Substances Lists of other states. This product is not regulated by SARA Section 302/304, the Comprehensive Environmental Response Compensation Liability Act or the US Department of Transportation. This product doesn't contain any ingredients listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). This product is not formulated with, nor do the manufacturing or formulation processes utilize any Class I or Class II Ozone depleting Substances regulated by the EPA under the Clean Air Act.

## 16. Other Information

Toma Sp. Z o.o. believes that the information contained herein (including data and statement) is accurate as of the date hereof. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY

OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE AS CONCERNS THE INFORMATION HEREIN PROVIDED.