



Material Safety Data Sheet

Updated Sept 2013

SKM Industries, Inc.

Health 2 Reactivity 0

Flammability 2 Personal Protection B

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Identity: Mighty Marker Steel Ball Tip Pump Action – All Colors Item No: 78100, 78101, 78102, 78103, 78104, 78105, 78106 Color: white, yellow, black, red, blue, green, orange	<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>
Another Exclusive Product of: SKM Industries, Inc.	Emergency Telephone Number 800-424-9300 (Chemtrec)
Address (Number, Street, City, State, and ZIP Code) 1012 Underwood Road, PO Box 278 Olyphant, PA 18447 USA	Telephone Number for Information 570-383-3062 Date Prepared Sept 4, 2013

SECTION 2. COMPOSITION INFORMATION ON INGREDIENTS

Ingredient	CAS No.	OSHA PEL	ACGIH-TLV	Recommended	% (Opt.)
Aromatic Hydrocarbon	64742-95-6	TWA 100 ppm	TWA 100 ppm	No Data	20-35
Clay, Silica	1332-58-7	TWA 15 mg/m3	TWS 15 mg/m3	Nuisance dust*	15-20
1,2,4 Trimethyl Benzene	95-63-6	TWA 100 ppm	TWA 100 ppm	No Data	1-10
Xylene	1330-20-7	TWA 100 ppm	TWA 100 ppm	No Data	1-5
Hydrocarbon Resin	68131-77-1	TWA 15 mg/m3	TWA 10mg/m3	Nuisance dust*	15-20
May contain one or more of the following...					
Titanium Dioxide	13463-67-7	TWA 10 mg/m3	TWA 10 mg/m3	Nuisance dust*	1-30
PNC Green Pigment	1328-53-6	TWA 10 mg/m3	TWA 10 mg/m3	Nuisance dust*	1-10
Carbon Black	1333-86-4	TWA 3.5 mg/m3	TWA 3.5 mg/m3	Nuisance dust*	1-10
PCN Blue Pigment	147-14-8	TWA 10 mg/m3	TWA 10 mg/m3	Nuisance dust*	1-10
Disazo Orange	15793-73-4	No data	No data	Nuisance dust*	1-10
Organic Yellow(s)	6358-31-2	TWA 10 mg/m3	TWA 10 mg/m3	Nuisance dust*	1-10
	6528-34-3				
Pigment Red	2786-76-7	TWA 15 mg/m3	TWA 15 mg/m3	Nuisance dust*	1-5
Pigment Orange 36	12236-62-3	TWA 10mg/m3	TWA 10mg/m3	Nuisance dust*	1-5
Pigment Yellow 154	68134-22-5	TWA 15 mg/m3	TWA 15 mg/m3	Nuisance dust*	1-5

*Nuisance dust as free dust only, not as bound in paint or ink.

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW – Warning! Combustible liquid and vapor. Keep away from heat, sparks, and flames. May cause eye, skin and respiratory tract irritation. If swallowed do not induce vomiting. Get immediate medical attention.

POTENTIAL HEALTH EFFECTS:

EYES: Liquid is moderately irritating to eyes.

SKIN: Liquid is mildly irritating to skin

INGESTION: Ingestion of liquid may cause vomiting.

INHALATION: High concentration of vapors may produce irritation of the respiratory tract, headache, dizziness, and nausea.

CHRONIC HEALTH EFFECTS:

Prolonged or repeated contact may cause skin sensitization or dermatitis. Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage. Intentional misuse by deliberately concentrating or inhaling this product may be harmful or fatal. IARC (International Agency for Research of Cancer) has classified Carbon Black and Titanium Dioxide as a possible human carcinogen (2B).

SECTION 4. FIRST AID MEASURES

INGESTION: Ingestion of significant amounts is extremely unlikely due to product form; however, liquid contents are an aspiration hazard. Get immediate medical attention. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Call physician.

EYE CONTACT: Immediately flush thoroughly with water for at least 15 minutes. Get medical attention immediately.

SKIN CONTACT: Flush skin with plenty of soap and water. Remove contaminated clothing and shoes. If irritation develops and persists, get medical attention.

INHALATION: Inhalation overexposure is very unlikely due to product form. If irritation is experienced, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation or other symptoms develop and persist.

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT: 108°F (TCC)

FLAMMABLE LIMITS: LEL 1.9 UEL 12.3

EXTINGUISHING MEDIA: Use water fog, dry chemical, carbon dioxide or foam. Use water spray to cool fire-exposed containers and to protect personnel.

SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool and vapors down with water spray. Prevent spill from entering drains, sewers, streams or other bodies of water. If run-off occurs, notify proper authorities. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves, and rubber boots); including a positive pressure NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE/EXPLOSION HAZARDS: Vapors are heavier than air and may travel along ground, or be moved by ventilation and be ignited by ignition source.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL RESPONSE: Absorb liquid with non-combustible floor absorbent and place in non-leaking container; seal properly and dispose of properly in compliance with federal, state, and local regulations

LARGE SPILL RESPONSE: Evacuate area of unprotected personnel. Eliminate all ignition sources. Stop spill at source if safe to do so. Handling equipment must be grounded to prevent sparking. Prevent spill from entering drains, sewers, streams or other bodies of water. If run-off occurs, notify proper authorities. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Dispose of properly in compliance with federal, state, and local regulations.

SECTION 7. HANDLING AND STORAGE

HANDLING: Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, sparks, flames, static electricity, or other

sources of ignition. Many hot organic chemical vapors or mists are susceptible to sudden spontaneous combustion when mixed with air. Ignition may occur at temperatures below those published in the literature as "auto-ignition" or ignition temperatures. Ignition temperatures decrease with increasing vapor volume and vapor volume and vapor/air contact time, and are influenced by pressure changes. Ignition of organic chemical vapors may occur at typical elevated-temperature process conditions, especially in processes operating under vacuum if subjected to sudden ingress of air, or outside process equipment operating under elevated pressure if sudden escape of vapors or mists to the atmosphere occurs. Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

STORAGE: Keep away from heat, sparks and open flames. Keep out of reach of children. Keep container tightly sealed when not in use. Store in cool, well-ventilated place away from incompatible materials. Information on this Material Safety Data Sheets refers to ink used in pens and markers; however, it applies to these inks in bulk. The inks are contained in capillary or valve reservoirs and will not spill or leak under normal conditions

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

EYE PROTECTION: None should be needed for normal use. Avoid eye contact. Wear chemical splash goggles in compliance with OSHA regulation if splashing is possible.

SKIN PROTECTION: None should be needed for normal use. Avoid repeated or prolonged contact with skin. Wear impervious gloves if needed to prevent possible skin irritation (consult your safety equipment supplier). **RESPIRATORY PROTECTION (Specify Type):** Not usually necessary. Use with adequate ventilation. Use

NIOSH/MSHA approved respirator if PELs or TLVs are exceeded.

VENTILATION: No special ventilation is normally required.

Engineering Controls: Local Exhaust: Not usually needed; **Mechanical (General):** Yes; **Special/Other:** None

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not usually necessary. For bulk material, if direct contact is possible, wear apron, boots, face shield, etc. as needed.

WORK/HYGENIC PRACTICES: Follow label instructions. Wash hands after use and before eating, drinking, smoking, using restrooms, etc.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	318 to 338 °F	SPECIFIC GRAVITY (H₂O= 1) :	>1 @ 70°F
VAPOR PRESSURE (mm-Hg @ 70°F):	No Data	MELTING POINT:	No Data
VAPOR DENSITY (AIR =1):	Greater than (1)	EVAPORATION RATE (Butyl Acetate=1)	Less than one (1)
SOLUBILITY IN WATER:	Slight	pH:	No Data
APPEARANCE & ODOR:	Opaque, thick viscosity liquid with aromatic odor.		

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None Known.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing and reducing agents, strong alkalies and strong acids. Avoid heat and open flames.

HAZARDOUS DECOMPOSITION or BYPRODUCTS: Carbon monoxide, carbon dioxide, smoke, soot and various organic oxidation by-products.

HAZARDOUS POLYMERIZATION: Will Not

Occur **CONDITIONS TO AVOID:** No data

SECTION 11. TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

None of the components of this product are listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard.

SECTION 12. ECOLOGICAL INFORMATION

No specific ecological data are currently available for this product. Please refer to Section 6 for information

regarding accidental releases and Section 15 for regulatory reporting information.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Discard empty pen in trash. Dispose in accordance with federal, state and local regulations. The liquid contents of the pen meet the definition of hazardous waste under RCRA, D001 (ignitable).

SECTION 14. TRANSPORT INFORMATION

(Not mean to be all inclusive)

DOMESTIC HIGHWAY (Containers < 1 Quart are Limited Quantity)

PROPER SHIPPING NAME: Paint
HAZARD CLASS/SUBSIDIARY HAZARD: 3
UN/NA NO. UN1263
PACKING GROUP: III
LABEL REQUIRED: Combustible Liquid (2)

DOMESTIC AIR SHIPMENTS (PENS)

PROPER SHIPPING NAME: Consumer Commodity
HAZARD CLASS/SUBSIDIARY HAZARD: 9
UN/NA NO. I.D. 8000
PACKING GROUP: None
LABEL REQUIRED: Class 9

SECTION 15. STABILITY AND REACTIVITY

(Not meant to be all inclusive- selected regulations represented)

U.S. FEDERAL REGULATIONS:

CARCINOGENICITY: NTP: No **IARC Monographs:**2B **OSHA Regulations:** No
OSHA: Hazardous by definition of Hazard Communications Standard (29 CFR 1910.1200)

SECTION 313 REPORTING REQUIREMENTS: This product contains Xylene (1330-20-7) and 1,2,4 Tri Methyl Benzene (95-63-6) which are listed and may require reporting under SARA Title III Sec. 313 if used over the threshold reporting quantity. This information must be included in all MSDSs that are copied and distributed for this material.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: Not WHMIS controlled (pens)

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: WARNING: This product contains a chemical known to the State of California to cause cancer. Benzene, Ethyl benzene

SECTION 16. OTHER INFORMATION

HMIS and NFPA Ratings: 2 (Health), 2 (Flammability), 0 (Reactivity), B (Personal Protection)
(4=extreme, 3=high, 2=moderate, 1=slight, 0=least) (B=gloves & safety glasses).

This information provided in the Material Safety Data Sheet has been compiled from our experience and data with similar commercially available materials and is believed to be accurate. No guarantee of accuracy is made. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and disposal procedures.