

Issuing Date: 8 November 2019

Revision Date: 15 August 2022

Revision Number: 1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### GHS Product Identifier

**Product Name:** Super Met-Al Solid Paint Marker

### Other Means of Identification

#### **Part Number:**

##### **Bulk Stock**

07900: White

07901: Yellow

##### **Carded Stock**

07800: White

07801: Yellow

#### **Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture : Marking.

#### **Details of the supplier of the safety data sheet**

SKM Industries Inc.  
PO Box 278  
1012 Underwood Road  
Olyphant, PA 18447  
Phone: (570) 383-3062  
Fax: (570) 383-9482  
E-mail: [skm@skmproducts.com](mailto:skm@skmproducts.com)

#### **Emergency telephone number**

Emergency number : Chemtrec US & Canada 1-800-424-9300

## SECTION 2: Hazards identification

### **2.1. Classification of the substance or mixture**

#### **Classification in accordance with the Globally Harmonized Standard**

Skin Irrit. 2 H315

Eye Irrit. 2A H319

Carc. 2 H351

Repr. 2 H361

Full text of H-phrases: see section 16

### **2.2 Label elements**

**Label Elements:** applies to OSHA 29CFR1910.1200 and Canadian WHMIS.

#### **GHS-US labelling**

Hazard pictograms (GHS-US) :



GHS07

GHS08

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) :  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H351 - Suspected of causing cancer  
H361 - Suspected of damaging fertility or the unborn child

**Precautionary statements (GHS-US)**

- : P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P264 - Wash hands thoroughly after handling
- P280 - Wear eye protection, protective gloves, protective clothing
- P302+P352 - If on skin: Wash with plenty of water
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P308+P313 - If exposed or concerned: Get medical advice/attention
- P321 - Specific treatment (see First aid measures on this label)
- P332+P313 - If skin irritation occurs: Get medical advice/attention
- P337+P313 - If eye irritation persists: Get medical advice/attention
- P362 - Take off contaminated clothing and wash before reuse
- P405 - Store locked up
- P501 - Dispose of contents/container to Dispose in a safe manner in accordance with local/national regulations

**2.3. Other hazards**

No additional information available

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EN (English)

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**SECTION 3: Composition/information on ingredients****3.1. Substance**

Not applicable

**3.2. Mixture**

Name	Product identifier	%	GHS-US classification
1-butoxypropan-2-ol	(CAS No) 5131-66-8	36.46 - 37.23	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
(2-Methoxymethylethoxy)-propanol	(CAS No) 34590-94-8	9.61	Flam. Liq. 4, H227
Carbon black	(CAS No) 1333-86-4	5.97	Carc. 2, H351
N-Ethyl O/P Toluene Sulfonamides	(CAS No) 8047-99-2	4.78	Acute Tox. 3 (Dermal), H311
4-tert-butylphenol	(CAS No) 98-54-4	0.19 - 0.48	Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 2, H361 STOT SE 3, H335 Aquatic Chronic 2, H411

Full text of H-phrases: see section 16

**SECTION 4: First aid measures****4.1. Description of first aid measures**

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

**4.2. Most important symptoms and effects, both acute and delayed**

- Symptoms/injuries : Suspected of damaging fertility or the unborn child. Suspected of causing cancer.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

All treatments should be based on observed signs and symptoms of distress in the patient.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None known.

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EN (English)

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## 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible. Combustion generates : Carbon oxides (CO, CO <sub>2</sub> ). Nitrogen oxides. Sulphur oxides. Metallic oxides.
Explosion hazard	: Product is not explosive.
Reactivity	: No dangerous reactions known.

## 5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flamm resistant/retardant clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin and eyes. Avoid creating or spreading dust.
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#### 6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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#### 6.1.2. For emergency responders

Protective equipment	: Chemical goggles or safety glasses. Wear suitable protective clothing and gloves.
Emergency procedures	: Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment	: Contain and collect as any solid.
Methods for cleaning up	: Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting.

### 6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Hygiene measures	: Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep away from ignition sources. Keep container closed when not in use. Protect from sunlight.
Incompatible products	: Strong oxidizers. Acids.
Incompatible materials	: Sources of ignition.

### 7.3. Specific end use(s)

Marking.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

N-Ethyl O/P Toluene Sulfonamides (8047-99-2)	
ACGIH	Not applicable
OSHA	Not applicable
4-tert-butylphenol (98-54-4)	
ACGIH	Not applicable
OSHA	Not applicable
1-butoxypropan-2-ol (5131-66-8)	
ACGIH	Not applicable

OSHA	Not applicable
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<b>(2-Methoxymethylethoxy)-propanol (34590-94-8)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	606 mg/m <sup>3</sup>
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	909 mg/m <sup>3</sup>
ACGIH	ACGIH STEL (ppm)	150 ppm
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Canada (Quebec)	VECD (mg/m <sup>3</sup> )	909 mg/m <sup>3</sup>
Canada (Quebec)	VECD (ppm)	150 ppm
Canada (Quebec)	VEMP (mg/m <sup>3</sup> )	606 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (ppm)	100 ppm

<b>Carbon black (1333-86-4)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
ACGIH	Remark (ACGIH)	Bronchitis
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (Fibres de carbone et de graphite; Poussière totale) 5 mg/m <sup>3</sup> (Fibres de carbone et de graphite; Poussière respirable) 3.5 mg/m <sup>3</sup>

## 8.2. Exposure controls

Appropriate engineering controls	: Either local exhaust or general room ventilation is usually required.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear suitable gloves. Use rubber gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing. Long sleeved protective clothing.
Respiratory protection	: Where excessive vapour may result, wear approved mask. Use air-purifying respirator equipped with particulate filtering cartridges.
Other information	: Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: A solid crayon-like marker.
Colour	: Black.
Odour	: Solvent.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 62 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content: 48.4%

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

**10.4. Conditions to avoid**

Heat. Direct sunlight.

**10.5. Incompatible materials**

Strong acids. Strong oxidizers.

**10.6. Hazardous decomposition products**

Carbon dioxide. Carbon monoxide. Nitrogen oxides. metallic oxides. Sulphur oxides.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity** : Not classified

<b>N-Ethyl O/P Toluene Sulfonamides (8047-99-2)</b>	
LD50 oral rat	2250 mg/kg
LD50 dermal rabbit	1000 mg/kg
ATE CLP (oral)	2250.000 mg/kg bodyweight
ATE CLP (dermal)	1000.000 mg/kg bodyweight

<b>4-tert-butylphenol (98-54-4)</b>	
LD50 oral rat	> 2000 mg/kg No mortality observed
LD50 dermal rabbit	> 16 g/kg No mortality observed
LC50 inhalation rat (mg/l)	5.6 mg/l/4h
ATE CLP (vapours)	5.600 mg/l/4h
ATE CLP (dust,mist)	5.600 mg/l/4h

<b>1-butoxypropan-2-ol (5131-66-8)</b>	
LD50 oral rat	3300 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (ppm)	> 651 ppm/4h
ATE CLP (oral)	3300.000 mg/kg bodyweight

<b>(2-Methoxymethylethoxy)-propanol (34590-94-8)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 19020 mg/kg
LC50 inhalation rat (mg/l)	> 1667 mg/l/4h

<b>Carbon black (1333-86-4)</b>	
LD50 oral rat	> 8000 mg/kg
LC50 inhalation rat (mg/l)	> 4.6 mg/m <sup>3</sup> 4 h

**Skin corrosion/irritation** : Causes skin irritation.**Serious eye damage/irritation** : Causes serious eye irritation.**Respiratory or skin sensitisation** : Not classified**Germ cell mutagenicity** : Not classified**Carcinogenicity** : Suspected of causing cancer.

<b>Carbon black (1333-86-4)</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Not listed in carcinogenicity class

**Reproductive toxicity** : Suspected of damaging fertility or the unborn child.**Specific target organ toxicity (single exposure)** : Not classified**Specific target organ toxicity (repeated exposure)** : Not classified**Aspiration hazard** : Not classified**Potential adverse human health effects and symptoms**

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

Likely routes of exposure : Skin and eyes contact.

**SECTION 12: Ecological information****12.1 Toxicity**

<b>4-tert-butylphenol (98-54-4)</b>	
LC50 fishes 1	> 1 mg/l 96 h
EC50 Daphnia 1	4.8 mg/l 48 h

<b>1-butoxypropan-2-ol (5131-66-8)</b>	
LC50 fishes 1	> 560 (560 - 1000) mg/l 96 h
EC50 Daphnia 1	> 1000 mg/l 48 h

<b>(2-Methoxymethylethoxy)-propanol (34590-94-8)</b>	
LC50 fishes 1	> 1000 mg/l Poecilia reticulata
ErC50 (algae)	> 1000 mg/l

#### 12.2. Persistence and degradability

<b>4-tert-butylphenol (98-54-4)</b>	
Biodegradation	60 % 28 d

<b>1-butoxypropan-2-ol (5131-66-8)</b>	
Persistence and degradability	Readily biodegradable.

<b>(2-Methoxymethylethoxy)-propanol (34590-94-8)</b>	
Persistence and degradability	Readily biodegradable.

<b>Carbon black (1333-86-4)</b>	
Persistence and degradability	Not readily biodegradable.

#### 12.3. Bioaccumulative potential

<b>4-tert-butylphenol (98-54-4)</b>	
Log Pow	3

<b>1-butoxypropan-2-ol (5131-66-8)</b>	
Log Pow	1.2

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Sewage disposal recommendations : Do not dispose of waste into sewer.  
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14: Transport information

In accordance with DOT and TDG  
Not considered a dangerous good for transport regulations  
Proper Shipping Name (ADR) : Not applicable

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

<b>N-Ethyl O/P Toluene Sulfonamides (8047-99-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

<b>4-tert-butylphenol (98-54-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

<b>1-butoxypropan-2-ol (5131-66-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

<b>(2-Methoxymethylethoxy)-propanol (34590-94-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

<b>Carbon black (1333-86-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

## 15.2. International regulations

### CANADA

<b>Quik Stik® TWIST PAINT MARKER Black</b>	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR
<b>N-Ethyl O/P Toluene Sulfonamides (8047-99-2)</b>	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
<b>4-tert-butylphenol (98-54-4)</b>	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
<b>1-butoxypropan-2-ol (5131-66-8)</b>	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
<b>(2-Methoxymethylethoxy)-propanol (34590-94-8)</b>	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
<b>Carbon black (1333-86-4)</b>	
Listed on the Canadian DSL (Domestic Substances List) inventory.	

### EU-Regulations

<b>N-Ethyl O/P Toluene Sulfonamides (8047-99-2)</b>	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
<b>4-tert-butylphenol (98-54-4)</b>	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
<b>1-butoxypropan-2-ol (5131-66-8)</b>	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
<b>(2-Methoxymethylethoxy)-propanol (34590-94-8)</b>	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)- Directive 79/831/EEC, sixth Amendment of Directive 67/548/EEC (dangerous substances)	
<b>Carbon black (1333-86-4)</b>	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	

### National regulations

<b>Quik Stik® TWIST PAINT MARKER Black</b>	
All components are listed on the EEC inventory European Inventory of Existing Commercial Chemical Substances (EINECS). All ingredients are listed in the Toxic Substances Control Act (TSCA). All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).	

## 15.3. US State regulations

<b>Carbon black (1333-86-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	
<b>(2-Methoxymethylethoxy)-propanol (34590-94-8)</b>				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - New York - Right to Know List of Hazardous Chemicals U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List				
<b>Carbon black (1333-86-4)</b>				
U.S. - New Jersey - Right to Know Hazardous Substance List				

## SECTION 16: Other information

Indication of changes : Original Document.



Data sources

: ACGIH 2000.  
 Canadian Centre for Occupational Health and Safety. Accessed at: [http://www.ccohs.ca/oshanswers/legisl/whmis\\_classifi.html](http://www.ccohs.ca/oshanswers/legisl/whmis_classifi.html).  
 ESIS (European chemical Substances Information System; accessed at: <http://esis.jrc.ec.europa.eu/index.php?PGM=cla>.  
 European Chemicals Agency (ECHA) Registered Substances list. Accessed at <http://echa.europa.eu/>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.  
 National Fire Protection Association; Fire Protection Guide to Hazardous Materials; 10th edition.  
 OSHA 29CFR 1910.1200 Hazard Communication Standard.  
 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.  
 TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Abbreviations and acronyms

: ACGIH (American Conference of Government Industrial Hygienists).  
 ATE: Acute Toxicity Estimate.  
 CAS (Chemical Abstracts Service) number.  
 CLP: Classification, Labelling, Packaging.  
 EC50: Environmental Concentration associated with a response by 50% of the test population.  
 GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).  
 LD50: Lethal Dose for 50% of the test population.  
 OSHA: Occupational Safety & Health Administration.  
 PBT: Persistent, Bioaccumulative, Toxic.  
 STEL: Short Term Exposure Limits.  
 TSCA: Toxic Substances Control Act.  
 TWA: Time Weight Average.

Other information

: None

NFPA health hazard

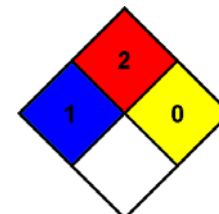
: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard

: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



Full text of H-phrases:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Liq. 4	Flammable liquids, Category 4
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H227	Combustible liquid
H311	Toxic in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H411	Toxic to aquatic life with long lasting effects

**SDS Prepared by:** The Redstone Group, LLC  
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SDS NA GHS

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*