

# **Safety Data Sheet**

Issue Date: 23-Oct-2023 Revision Date: 23-Oct-2023 Version 1

# 1. IDENTIFICATION

**Product identifier** 

Product Name SCI-100 BASE MET

Other means of identification

SDS#

SCIC-004

Product Code Silver 101, Gold 106, Olive Green 113, Misty Blue 112, Violet 116, Charcoal 124, Red

135, Hot Chocolate 128, Chocolate Brown 148, Ice 149

UN/ID No UN3082

Recommended use of the chemical and restrictions on use

Recommended Use Colored Pigment dispersion

Details of the supplier of the safety data sheet

**Supplier Address** 

THIS SAFETY DATA SHEET IS NOT COMPLIANT UNLESS U.S. ADDRESS IS USED

Emergency telephone number

Emergency Telephone INSERT PHONE NUMBER

# 2. HAZARDS IDENTIFICATION

Appearance: Colored liquid according

to product specification

Physical state: Liquid

# **Classification**

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1

# Signal Word Warning

# **Hazard statements**

Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction



<u>Precautionary Statements - Prevention</u>
Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace

# **Precautionary Statements - Response**

IF IN EYES: 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

IF ON SKIN: Wash with plenty of water and soap Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention

# Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

# Other hazards

Harmful to aquatic life with long lasting effects

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%	
Aluminum	7429-90-5	10-12	
1,2,4 Trimethylbenzene	95-63-6	0.5-1	
Polymer of epichlorohydrin and bisphenol A	25085-99-8	55-75	
Benzyl alcohol	100-51-6	2-4	
Alkyl (C12-14) glycidyl ether	68609-97-2	6-10	
Carbon Black	1333-86-4	0.1-0.5	
Titanium Dioxide	13463-67-7	20-25	

<sup>\*\*</sup>If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. \*\*

# 4. FIRST AID MEASURES

# **Description of first aid measures**

**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.

Skin Contact Wash with plenty of soap and water. Take off contaminated clothing and wash it before

reuse. If skin irritation or rash occurs: Get medical advice/attention.

**Inhalation** Remove to fresh air.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

# Most important symptoms and effects, both acute and delayed.

**Symptoms** Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.

# Indication of any immediate medical attention and special treatment needed.

Notes to Physician Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

In case of fire: water fog, foam, dry chemical powder, carbon dioxide (CO2).

Unsuitable Extinguishing

Media

Water jet.

# **Specific Hazards Arising from the Chemical**

During fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.

# Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# **6. ACCIDENTAL RELEASE MEASURES**

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

Personal Precautions Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and

equipment.

**Environmental precautions** 

**Environmental precautions** See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up For containment, ensure adequate ventilation and absorb any spill with inert liquid

binding material and dispose of waste safely.

# 7. HANDLING AND STORAGE

# Precautions for safe handling

Advice on Safe Handling Wash face, hands, and any exposed skin thoroughly after handling. Wear protective

gloves/protective clothing and eye/face protection. Avoid breathing

dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of

the workplace.

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

**Storage Conditions** Store in a cool dry and well-ventilated place. Keep stored in accordance with local,

regional, national, and international regulations. Store away from incompatible materials.

**Incompatible Materials** Strong oxidizers, strong alkalis, strong mineral acids, amines.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region-specific regulatory bodies

Appropriate engineering controls

**Engineering Controls** Local exhaust ventilation required. Make up air should be supplied to balance air that is

removed by local or general exhaust ventilation. Provide sufficient ventilation to keep vapors below permissible exposure limit. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure

all national / local regulations are observed.

Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Use tightly sealed goggles or safety glasses with side shields which are resistant to

Chemicals. Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Wear chemical resistant protection gloves. Wear impervious clothing as necessary to

protect against coming in contact with product. Refer to 29 CFR 1910.138 for appropriate

skin and body protection.

**Respiratory Protection** If insufficient ventilation, wear respiratory protection. Refer to 29 CFR 1910.134 for

respiratory protection requirements.

**General Hygiene** 

Do not eat, drink, or smoke during work. Avoid all contact with skin or eye. If clothing Considerations comes into contact with material, do not allow it out of the workplace. Clean hands and

any exposed skin thoroughly after work and before breaks.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Liquid Physical state

Colored Liquids **Appearance** Odor Not determined

Color May Vary **Odor Threshold** Not determined

**Property Values** Remarks • Method

No data available Hq

Revision Date: 23-Oct-2023 SCIC-004 - SCI-100 BASE MET

Melting point / freezing point No data available

Initial boiling point and boiling

range

No data available

Flash point >93 °C / >200 °F

**Evaporation Rate** Not determined

Flammability (Solid, Gas) Liquid-Not applicable

Flammability Limit in Air

Upper flammability or explosive limits

No data available

Lower flammability or

explosive limits

No data available

**Vapor Pressure** Not determined

**Vapor Density** No data available

**Relative Density** 1.16 - 1.20

**Water Solubility** Partially soluble

Solubility in other solvents Not determined

**Partition Coefficient** Not determined

**Autoignition temperature** No data available

Hyphen Not determined

Kinematic viscosity Not determined

**Dynamic Viscosity** Not determined

**Explosive Properties** Not determined **Oxidizing Properties** Not determined

# 10. STABILITY AND REACTIVITY

# Reactivity

Not reactive under normal conditions.

# **Chemical stability**

Stable under recommended storage conditions.

<u>Possibility of hazardous reactions</u>
This product will polymerize if mixed with an amine. Considerable heat can evolve.

# **Conditions to Avoid**

Avoid temperatures exceeding the flash point. Avoid unintended contact with amines.

#### **Incompatible materials**

Strong oxidizers, strong alkalis, strong mineral acids, amines.

# **Hazardous decomposition products**

None known based on information supplied.

# 11. TOXICOLOGICAL INFORMATION

# Information on likely routes of exposure

**Product Information** 

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Avoid contact with skin.

**Inhalation** Do not inhale.

**Ingestion** Do not ingest.

# **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Polymer of epichlorohydrin and bisphenol A 25085-99-8	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	-
1,2,4 Trimethylbenzene	= 3280 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m3 ( Rat ) 4 h
Benzyl alcohol 100-51-6	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	> 4178 mg/m³(Rat)4 h
Alkyl (C12-14) glycidyl ether 68609-97-2	= 17100 mg/kg (Rat)	> 3987 mg/kg (Rabbit )	-
Titanium Oxide 13463-67-7	> 10000 mg/kg (Rat)	-	= 5.09 mg/L (Rat) 4 h
Carbon Black 1333-86-4	> 15400 mg/kg (Rat)	-	> 4.6 mg/m³ (Rat) 4 h

# Symptoms related to the physical, chemical, and toxicological characteristics

**Symptoms** Please see section 4 of this SDS for symptoms.

# Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Causes skin irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

**Sensitization** May cause an allergic skin reaction.

**Carcinogenicity** Based on the information provided, this product does not contain any carcinogens or

potential carcinogens as listed by OSHA, IARC or NTP.

# **Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

 Oral LD50
 7,314.60 mg/kg

 Dermal LD50
 6,395.80 mg/kg

 ATEmix (inhalation-dust/mist)
 25.068 mg/l

# 12. ECOLOGICAL INFORMATION

# **Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**Component Information** 

Chemical name	Algae/aquatic plants	Fish	Crustacea

Benzyl alcohol 100-51-6	LC50: =460mg/L (96h, Pimephales promelas) LC50: =10mg/L (96h, Lepomis macrochirus)	EC50: =23mg/L (48h, water flea)
1,2,4 Trimethylbenzene 95-63-6	LC50: 7.19 - 8.28mg/L (96h,	EC50: =6.14mg/L (48h, Daphnia

# Persistence/Degradability

Not determined.

# **Bioaccumulation**

There is no data for this product.

Chemical name	Partition coefficient	
Benzyl alcohol	1.05	
100-51-6		
Alkyl (C12-14) glycidyl ether	3.77	
68609-97-2		
1,2,4 Trimethylbenzene	3.63	
95-63-6		

# **Mobility**

# Other adverse effects

Not determined

# 13. DISPOSAL CONSIDERATIONS

# **Waste Treatment Methods**

**Disposal of Wastes**Disposal should be in accordance with applicable regional, national, and local laws and

regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national, and local laws and

regulations.

# 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including

exemptions and special circumstances.

<u>DOT</u>

UN/ID No UN3082

Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (bisphenol-A- (epichlorohydrin)

epoxy resin)

Transport hazard class(es)

9

Packing Group

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Marine Pollutant

This material ships as a marine pollutant when single container exceeds 119 gal/ 882 lbs.

<u>IATA</u>

UN number or ID number UN3082

Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (bisphenol-A- (epichlorohydrin)

epoxy resin)

Transport hazard class(es) 9
Packing group III

**Description** This material ships as a marine pollutant when inner packaging exceeds 5L/5KG.

**IMDG** 

UN number or ID number UN3082

Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (bisphenol-A- (epichlorohydrin)

epoxy resin)

Transport hazard class(es) 9
Packing Group III

Marine Pollutant This material ships as a marine pollutant when inner packaging exceeds 5L/5KG

# 15. REGULATORY INFORMATION

#### International Inventories

Chemical name	TS CA	TSCA Inventory Status	DSL/NDS L	EINECS/ ELINCS	ENCS	IECSC	KECL	PICCS	AIIC
Polymer of epichlorohydrin and bisphenol A	Х	ACTIVE	X			Х	Х	Х	Х
Benzyl alcohol	Х	ACTIVE	Х	Х	Х	Х	Х	Х	Х
Alkyl (C12-14) glycidyl ether	Х	ACTIVE	Х	Х	Х	Х	Х	Х	Х
Titanium dioxide	Χ	ACTIVE	Х	Х	Х	Х	Х	Χ	X
Carbon Black	Х	ACTIVE	X	Х	Х	Х	Х	Х	Х
1 2 4 Trimethylbenzene	Х	ACTIVE	Х	X	X	Х	X	X	Х

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

# **US Federal Regulations**

# **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

# **SARA 313**

Max % in Product Aluminum (7429-90-5) – dust or fume only 79% Benzene, 1,2,4-trimethyl – (95-63-6) 6%

# **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

# **US State Regulations**

# **California Proposition 65**

Chemical name	California Proposition 65	
Titanium dioxide - 13463-67-7	Carcinogen	
Carbon Black - 1333-86-4	Carcinogen	

#### **U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Benzyl alcohol		X	X
100-51-6			
Titanium dioxide	X	X	X
13463-67-7			
Carbon Black	X	X	X
1333-86-4			
Aluminum powder (stabilized)	X	X	X
7429-90-5			
1,2,4 Trimethylbenzene 95-63-6	X	X	X

# **16. OTHER INFORMATION**

NFPA Health hazards Flammability Instability Special hazards

Health hazards Flammability Physical hazards Personal Protection

- - Not determined

Issue Date:23-Oct-2023Revision Date:23-Oct-2023Revision Note:New format

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**