

Safety Data SheetIssue date: 2018/1/18
Revision date: 2023/3/11
Version: 3**SECTION 1: Identification of the substance/mixture and of the company/undertaking****Product Identifier**Substance or Mixture name : SOLID MARKER for High Temperature
Item code: XSC-49, XSC-50, XSC-19, XSC-3, XSC-29, XSC-36, XSC-5, XSC-24
XSC-302, XSC-305, XSC-320EC No. :
REACH No. :
CAS No. :**Relevant identified uses of the substance or mixture and uses advised against**Sector of uses [SU] : Industrial uses
Use of the substance/mixture : Ink and toners
Uses advised against : see section 16 for a general overview**Details of the Supplier of the Safety Data Sheet**Supplier : Sakura Color Products Corp. Quality Management Department
Address : 7-18-47, Kano, Higashi-osaka, Osaka, Japan
P.O.Box : 578-0901
Telephone : +81-(0)72-873-1295
Telefax : +81-(0)72-873-8225
E-Mail :**Emergency telephone number**Emergency telephone number : +81-(0)72-873-1295
Remark : Only available during office hours.**SECTION 2: Hazards identification****Classification of the substance or mixture:**This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.
This product is not considered hazardous in normal use as required under OSHA's Hazardous Communication Standard 29 CFR 1910.1200.**SECTION 3: Composition / information on ingredients**

: Mixtures

Substance	% (weight)	CAS No.	Trade Secret
Propylene glycol monobutyl ether	10-24	5131-66-8	
2-Butoxyethanol	25-28	111-76-2	
Titanium dioxide	0-18	13463-67-7	
Carbon black	0-5	1333-86-4	

SECTION 4: First aid measures**Description of first aid measures****General information :**

Call a physician immediately.

Following inhalation :

In case of respiratory tract irritation, consult a physician.

Following skin contactWash immediately with : Water and soap
In the case of contact with hot melt, treat skin with :
No data available
Do not wash with : No data available

After eye contact :

In case of eye irritation consult an ophthalmologist. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion :

Do NOT induce vomiting.

If swallowed immediately drink :

No data available

Self-protection of the first aider :

No data available

Most important symptoms and effects, both acute and delayed**Symptoms**

The following symptoms may occur :

No data available

Effects :

No data available

Indication of any immediate medical attention and special treatment needed**Notes for the doctor :**

Treat symptomatically.

Special treatment :

No data available

SECTION 5: Firefighting measures**Extinguishing media**

Suitable extinguishing media :

alcohol resistant foam ABC-powder Carbon dioxide (CO₂) Water spray

Unsuitable extinguishing media :

Full water jet

Special hazards arising from the substance or mixture

Hazardous combustion products :

No data available

Advice for firefighters

Special protective equipment for firefighters:

Use suitable breathing apparatus.

Additional information:

No data available

SECTION 6: Accidental release measures**Personal precautions,protective equipment and emergency procedures****Personal precautions :**

No data available

Protective equipment :

Use appropriate respiratory protection.

Emergency procedures :

Provide adequate ventilation.

Enviromental precautions :

Do not allow to enter into surface water or drains.

Methods and materials for containment and cleaning up**For containment**

Suitable material for taking up:

No data available

For cleaning up

Suitable material for diluting or neutralising :

No data available

Reference to other sections :

Disposal: see section 13

SECTION 7: Handling and storage**Precautions for safe handling****Protective measure****Advice on safe handling**

Avoid : No data available
 Handle under (gas) : No data available
 Handle under (liquid): No data available
 Remark: No data available

Measures to prevent fire

Keep wet with : No data available
 Do not mix with : No data available
 Keep away from : No data available
 Remark: No data available

Measures to prevent aerosol and dust generation

During filling, metering and sampling should be used if possible:
 No data available
 Use the following local exhaust ventilation type :
 No data available

Environmental precaution :

No data available

Special requirements or handling rules :

No data available

Advice on general occupational hygiene :

No data available

Conditions for safe storage, including any incompatibilities**Packaging materials**

Suitable container/equipment material: No data available

Unsuitable container/equipment material: No data available

Hints on joint storage

Storage class : No data available

Materials to avoid : No data available

Further information on storage conditions : Keep in a cool, well-ventilated place.

SECTION 8: Exposure controls/personal protection**Control parameters**

Occupational exposure limit values

Ingredient	CAS NO.	Country	TWA		STEL		Ceiling	
			ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
2-Butoxyethanol	111-76-2	US	5	24				
Titanium dioxide	13463-67-7	US		10				
Carbon black	1333-86-4	US		0.1				

Biological limit values

Ingredient	CAS NO.	EC No	Country	Unit	Limit value	Parameter
2-Butoxyethanol	111-76-2		US	mg/g creatinine	200	Butoxyacetic acid (BAA)

Exposure controls**Appropriate engineering controls**

Initial Remarks : No data available

Substance/mixture related measures to prevent exposure during identified users :

No data available

Technical measures to prevent exposure :

No data available

Personal protection equipment**Eye/face protection**

Suitable eye protection : No data available

Remark: No data available

Skin protection**Hand protection**

Suitable gloves type : No data available

Suitable material : No data available

Required properties : No data available

Remark: No data available

Body protection

Suitable protective clothing : No data available

Required properties : No data available

Recommended material : No data available

Respiratory protection

Respiratory protection necessary at :

No data available

According to experience this refers to the following tasks :

No data available

Suitable respiratory protection apparatus :

No data available

Remarks :

No data available

Environmental exposure controls**Technical measures to prevent exposure**

Use the following filter types for cleaning waste gases :

No data available

Use the following recovery and/or abatement technique for cleaning waste gases :

No data available

Use the following chemical treatment methods for waste water :

No data available

SECTION 9: Physical and chemical properties for Ink

Physical state	Solid
Color	11 Colors
Odour	Ether
pH	No data available
Melting point/freezing point	about 140°C
Initial boiling point and boiling range	about 180°C
Flash point	about 80°C
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Solubility(ies)	Insoluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

SECTION 10: Stability and reactivity**Reactivity :**

No data available

Chemical stability :

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions**In case of melting :**

No data available

In case of vaporization :

No data available

In case of freezing :

No data available

Condition to avoid**In dry state :**

No data available

In an isolated state :

No data available

In fine dispersion/spraying/misting :

No data available

In case of warming :

No data available

In case of light influence :

No data available

In case of impact or pressure influence :

No data available

In case of air intake :

No data available

In case of exceeding the storage time :

No data available

In case of exceeding the storage temperature :

No data available

Incompatible materials**Materials to avoid**

No data available

Hazardous decomposition products:

No data available

Additional information

No data available

SECTION 11: Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

SECTION 12: Ecological information**Hazardous to the aquatic environment-Acute hazard:**

No data available

Hazardous to the aquatic environment-Chronic hazard:

No data available

Hazardous to the ozone layer :

No data available

Additional ecotoxicological information:

No data available

SECTION 13: Disposal considerations**Waste treatment methods****Product/packaging disposal**

Properties of waste which render it hazardous :

No data available

Waste treatment option :

Appropriate disposal/Product

Dispose of waste according to applicable legislation.

Appropriate disposal/Package

No data available

Remarks :

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information**UN number**

Land transport(ADR/RID) Not applicable

Inland waterway transport(ADN) Not applicable

Sea transportation(IMDG) Not applicable

Air transportationICAO-TI/IATA-DGR Not applicable

UN proper shipping name

Land transport(ADR/RID) Not applicable

Inland waterway transport(ADN) Not applicable

Sea transportation(IMDG) Not applicable

Air transportationICAO-TI/IATA-DGR Not applicable

Transport hazard class(es)

Land transport(ADR/RID) Not applicable

Inland waterway transport(ADN) Not applicable

Sea transportation(IMDG) Not applicable

Air transportationICAO-TI/IATA-DGR Not applicable

Packing group

Land transport(ADR/RID) Not applicable

Inland waterway transport(ADN) Not applicable

Sea transportation(IMDG) Not applicable

Air transportationICAO-TI/IATA-DGR Not applicable

Environmental hazards

Land transport(ADR/RID) No data available

Inland waterway transport(ADN) No data available

Sea transportation(IMDG) No data available

Air transportationICAO-TI/IATA-DGR No data available

Transport in bulk according to MARPOL73/78 and the IBC Code :

Not applicable

Marine pollutant :

Not applicable

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory :**

Not SNUR,ACTIVE;

National Toxicology Program (NTP) Report on Carcinogens-Substances listed :

Not available

Agents classified by International Agency for Research on Cancer(IARC) monographs :

CASNO : 111-76-2,2-Butoxyethanol,3;

CASNO : 1333-86-4,Carbon black,2B;

CASNO : 13463-67-7,Titanium dioxide,2B;

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Occupational Safety and Health Act (OSHA) Standard related to carcinogens :

Not available

Proposition 65 Safe Drinking Water and Toxic Enforcement Act of 1986 :

CASNO: 13463-67-7, Titanium dioxide (airborne, unbound particles of respirable size), cancer ;

CASNO: 1333-86-4, Carbon black (airborne, unbound particles of respirable size), cancer ;

Chemical Safety Assessment**SECTION 16: Other information****Date of preparation :**

23/03/11

Version number :

XSC_230311US-3

Data sources:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage.