

Safety data sheet for chemical products

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: SXN-217 Black [JETSTREAM]

Manufacture's name : MITSUBISHI PENCIL CO.,LTD.
 Address : 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN
 Telephone number : 03-3458-6281 Telefax number : 03-3450-0363
 Telex number : 2422337 MBPENC J.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

The chemical product is a substance or a preparation : Preparation

Chemical or generic name	CAS No.	TSCA	EINECSNo.	Concentration range (wt%)
Glycol ether	56539-66-3	Registered	2602524	50- 80
Additives	Registered	Registered	Registered	10- 30
Coloring agents	Registered	Registered	Registered	10- 30
Carbon Black	1333-86-4	Registered	2156099	< 10
Resins	Registered	Registered	Polymer	< 10
Polypropylene glycol	25322-69-4	Registered	Polymer	< 10

Other parts : Other parts are excluded from 'chemical substances'.

3. HAZARDS IDENTIFICATION

Most important hazards : Not available.

Specific hazards : Information of components.

<Additive>

PHYSICAL HAZARDS: Dust/air mixtures may ignite or explode.

<Coloring agent>

MAJOR HEALTH HAZARDS: harmful if swallowed, eye irritation

PHYSICAL HAZARDS: Dust/air mixtures may ignite or explode.

<Carbon Black>

MAJOR HEALTH HAZARDS: suspect cancer hazard (in animals)

PHYSICAL HAZARDS: Dust/air mixtures may ignite or explode.

<Resin>

MAJOR HEALTH HAZARDS: eye irritation

PHYSICAL HAZARDS: Dust/air mixtures may ignite or explode.

4. FIRST-AID MEASURES

Inhalation:

Not applicable.

(Due to its low vapor pressure. Inhalation is unlikely at room temperature.)

Skin contact:

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Eye contact:

Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Ingestion:

If swallowed, seek medical advice, and show the MSDS to the physician then.

[Ink quantity of refill(SXR-7) : about 300mg]

5. FIRE-FIGHTING MEASURES

Fire and explosion measures : Slight fire hazard.

Extinguishing media:

Suitable : regular dry chemical, carbon dioxide, water, regular foam.

Large fires : Use regular foam or flood with fine water spray.

Fire fighting : Move container from fire area if it can be done without risk.

Use extinguishing agents appropriate for surrounding fire.

Avoid inhalation of material or combustion by-products.

Stay upwind and keep out of low areas.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Not available.

Environmental precautions : Do not wash away into shower or water way.

Methods for cleaning up : Take / Soak up with absorbent.

: In accordance with national, state and local regulations.

7. HANDLING AND STORAGE

Store and handle in accordance with all current regulations and standards.

Keep separated from incompatible substances.

Handling:

Technical measures : Don't swallow ink.

: Don't shake.

: Keep out of the reach of children.

: Avoid contact with skin and eyes.

Precautions : Not available.

Safe handling advice : Not available.

Storage:

Technical measures : Keep away from oxidizing materials, ignition sources and high temperature.

Storage condition : Avoid direct sunlight.
 : Do not leave the products in high temperature space.
 : Recommended temperature: 0-30 C.

Incompatible products : (Information of components.)
 oxidizing materials, organic peroxides Glycol ether
 oxidizing materials, strong oxidizers Additive
 oxidizing materials Coloring agent / Resin / Polypropylene glycol
 oxidizing materials, halogens Carbon Black

Packaging materials : Not applicable.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering measures : Not required.

Control parameters (Information of components.)

OSHA	3.5mg/m ³ TWA	Carbon Black
ACGIH	3.5mg/m ³ TWA	Carbon Black
	10mg/m ³ TWA	Resin
EC	3.5mg/m ³ TWA	Carbon Black

Personal protective equipment : Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

[] : Information of components.

Physical state : Liquid.
 Color : Black.
 Odor : None odor.
 pH : Not applicable.
 Boiling point : Not available. [Glycol ether/ 174 C]
 Melting point : <-20 C
 Flash point : Not available. [Glycol ether/ 68 C]
 Autoignition temperature : Not available. [Polypropylene glycol/ 201 C]
 Explosion limits : Not applicable.
 [Lower flammable limit / 1.2% , Upper flammable limit / 13.1% <Glycol ether>]
 Density : Not available.
 Vapor density (air=1) : Not available. [Glycol ether/ 4.1]
 Solubility in water : Not available.
 Evaporation rate : Not available.
 Volatile : 52-55%

10. STABILITY AND REACTIVITY

Stability : Stability.
 Hazardous reactions : Will not occur.
 Conditions to avoid : Avoid heat, flames, sparks and other sources of ignition.
 Avoid contact with incompatible materials.

Materials to avoid : (Information of components.)

oxidizing materials, organic peroxides	Glycol ether
oxidizing materials, strong oxidizers	Additive
oxidizing materials	Coloring agent / Resin / Polypropylene glycol
oxidizing materials, halogens	Carbon Black

Hazardous decomposition products : (Information of components.)

oxides of carbon, water	common decomposition products
miscellaneous decomposition products.	Additive / Resin
oxides of nitrogen, carbon, halogenated compounds. miscellaneous decomposition products.	Coloring agent
carbon monoxide, carbon dioxide, organic products of decomposition, sulphoxides.	Carbon Black

11. TOXICOLOGICAL INFORMATION

(Information of components)

Acute toxicity

Ingestion LD50	4300mg/kg-Rat	Glycol ether
	413mg/kg-Rat	Coloring agent
	75mg/kg-Rabbit	
	105mg/kg-Mouse	
	>8000mg/kg-Rat	Carbon Black
	>5000mg/kg-Rat	Resin
	57000mg/kg-Rat	Polypropylene glycol
Inhalation LC50	Not available.	
Skin LD50	>2000mg/kg	Glycol ether

Local effects

Irritant:eye	Coloring agent / Resin
Irritant:inhalation, skin	Carbon Black

Chronic toxicity and long term toxicity

Lungs may be affected by repeated or prolonged exposure at very high concentrations. Respiratory disorders.	Carbon Black
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Signs and Symptoms of overexposure and aggravated by exposure

Inhalation	irritation, respiratory allergies	Additive
	irritation	Carbon Black / Resin
Skin contact	inflammation	Glycol ether
	irritation, erosion	Additive
	irritation	Coloring agent / Carbon Black Resin / Polypropylene glycol
Eye contact	irritation	Glycol ether / Additive / Resin Polypropylene glycol
	irritation, conjunctivitis mechanical irritation, discoloration of lids	Coloring agent Carbon Black
Ingestion	nausea, vomiting	Coloring agent / Polypropylene glycol

Specific effects

IARC Group 2B

Carbon Black

12. ECOLOGICAL INFORMATION

Not available.

13. DISPOSAL CONSIDERATIONS

Waste from residues : Disposal in accordance with all current regulations and standards.

Contaminated packaging : Not applicable.

14. TRANSPORT INFORMATION

HS Code : 960810

15. REGULATORY INFORMATION

Regulations (Information of components)

Hazardous chemicals (OSHA HCS) : Carbon Black

EU labeling

Xi;R36/38

: Resin

CANADA Hazardous Products Act - Ingredient Disclosure List

1%over

: Carbon Black

Hazard and safety information

Products are manufactured in accordance with ISO 8124-3 " Safety of Toys - Part 3"

16. OTHER INFORMATION

This sheet completes the technical sheet of use but it doesn't replace it.

The information contained in this sheet are based knowledge of the products at the data : (October 03, 2011). They are given quite sincerely.

Moreover the attention of the users is drawn on the risks possibly taken, when a product is used for other utilization than these which it is intended.