

Safety data sheet for chemical products

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: SXN-217 Red [JETSTREAM]

Manufacture's name : MITSUBISHI PENCIL CO.,LTD.
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Creation Date : July 21, 2006
Revision Date : October 03, 2011
File No. : 061278A Rev. 2.5.03.03

2. COMPOSITION/INFORMATION ON INGREDIENTS

The chemical product is a substance or a preparation : Preparation

Chemical or generic name	Component parts : Ink			Concentration range (wt%)
	CAS No.	TSCA	EINECSNo.	
Glycol ether	56539-66-3	Registered	2602524	50- 80
Coloring agents	Registered	Registered	Registered	10- 30
Additives	Registered	Registered	Registered	10- 30
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.

<Coloring agent>

MAJOR HEALTH HAZARDS: harmful if swallowed, skin irritation, eye irritation

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

<Additive>

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 Coloring agent / Resin / Polypropylene glycol
oxidizing materials, strong oxidizers Additive

Packaging materials : Not applicable.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering measures : Not required.

Control parameters (Information of components.)

OSHA	Not available.	
ACGIH	10mg/m ³ TWA	Resin
EC	Not available.	

Personal protective equipment : Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

[] : Information of components.

Physical state : Liquid.
Color : Red.
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. [Glycol ether/ 395 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 : 50-53%

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		Coloring agent / Resin / Polypropylene glycol
oxidizing materials, strong oxidizers		Additive
Hazardous decomposition products	:	(Information of components.)
oxides of carbon, water		common decomposition products
oxides of nitrogen, carbon, halogenated compounds.		Coloring agent
miscellaneous decomposition products.		Additive / Resin

11. TOXICOLOGICAL INFORMATION

(Information of components)

Acute toxicity

Ingestion LD50	4300mg/kg-Rat	Glycol ether
	400mg/kg-Rat(approximation Exciton)	Coloring agent
	>5000mg/kg-Rat	Resin
	57000mg/kg-Rat	Polypropylene glycol
Inhalation LC50	Not available.	
Skin LD50	>2000mg/kg	Glycol ether
	≥2000mg/kg-Rat	Coloring agent

Local effects	Irritant:skin, eye	Coloring agent
	Irritant:eye	Resin

Chronic toxicity and long term toxicity
Not available.

Signs and Symptoms of overexposure and aggravated by exposure

Inhalation	irritation, respiratory allergies	Additive
	irritation	Resin
Skin contact	inflammation	Glycol ether
	irritation, red staining	Coloring agent
	irritation, erosion	Additive
	irritation	Resin / Polypropylene glycol
Eye contact	irritation	Glycol ether / Coloring agent / Additive Resin / Polypropylene glycol
Ingestion	nausea, vomiting	Polypropylene glycol

Specific effects	IARC Group 3	Coloring agent
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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) : Not restricted.

EU labeling

25% ≤ Xn;R22 : Coloring agent

Xi;R36/38 : Resin

CANADA Hazardous Products Act - Ingredient Disclosure List

: Not restricted.

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.