

**Safety Data Sheet**

Issue date: 2020/11/30

Revision date:

Version: 1

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****Product Identifier**

Substance or Mixture name : Pen-touch, Extra Fine/ Fine/ Medium, Fluorescent colors (Item Code | XPxKA#3xx)  
 [Line width] Extra Fine: XPSKA#, Fine: XPMKA#, Medium: XPMKA#  
 [Color] #302: Fluorescent lemon, #305: Fluorescent orange  
 #319: Fluorescent red, #320: Fluorescent pink

EC No. :

REACH No. :

CAS No. :

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

Sector of uses [SU] : Consumer uses: Private households (= general public = consumers)  
 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  
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**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:**

Flammable liquids:Cat. 2  
 Acute toxicity oral:Cat. 4  
 Acute toxicity Dermal:Not classified  
 Acute toxicity inhalation(gases):Classification not possible  
 Acute toxicity inhalation(vapours):Cat. 4  
 Acute toxicity inhalation(dust,mist):Classification not possible  
 Skin corrosion/irritation:Not classified  
 Serious eye damage/eye irritation:Cat. 2A  
 Respiratory sensitization:Classification not possible  
 Skin sensitization:Not classified  
 Germ cell mutagenicity:Not classified  
 Carcinogenicity:Cat. 1  
 Reproductive toxicity:Cat. 1  
 Specific target organ toxicity - Single exposure:Cat. 1 (The central nervous system Systemic toxicity)  
 Specific target organ toxicity - Single exposure:Cat.3(Narcotic effects)  
 Specific target organ toxicity - Repeated exposure:Cat. 1 (Blood system Liver Respiratory system)  
 Specific target organ toxicity - Repeated exposure:Cat. 2 (Respiratory system Liver The spleen The central nervous system)  
 Aspiration hazard:Classification not possible  
 Hazardous to the aquatic environment-Acute hazard:Not classified  
 Hazardous to the aquatic environment-Long-term hazard:Not classified  
 Hazardous to the ozone layer:Classification not possible  
 Reproductive toxicity (Effects on or via lactation):Classification not possible

**Label elements:**

## Hazard pictograms



## Signal word:

Danger

## Hazard statements:

- H225 · Highly flammable liquid and vapour
- H302 · Harmful if swallowed
- H319 · Causes serious eye irritation
- H332 · Harmful if inhaled
- H336 · May cause drowsiness or dizziness
- H350 · May cause cancer
- H360 · May damage fertility or th unborn child
- H370 · Causes damage to organs (The central nervous system Systemic toxicity)
- H372 · Causes damage to organs through prolonged or repeated exposure (Blood system Liver Respiratory system)
- H373 · May cause damage to organs through prolonged or repeated exposure (Respiratory system Liver The spleen The central nervous system)

## Precautionary statement:

**【Prevention】**

- P201 · Obtain special instructions before use
- P202 · Do not handle until all safety precautions have been read and understood
- P210 · Keep away from heat/sparks/open flames/ hot surfaces. - No smoking.
- P233 · Keep container tightly closed.
- P240 · Ground/bond container and receiving equipment.
- P241 · Use explosion-proof electrical/ventilating/lighting/.../equipment.
- P242 · Use only non-sparking tools.
- P243 · Take precautionary measures against static discharge.
- P260 · Do not breathe dust/fume/gas/mist/vapours/spray.
- P261 · Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 · Wash hands thoroughly after handling.
- P270 · Do not eat, drink or smoke when using this product.
- P271 · Use only outdoors or in a well-ventilated area.
- P280 · Wear protective gloves/protective clothing/eye protection/face protection

**【Response】**

- P301+P312 · IF SWALLOWED: Call a POISON CENTER/doctor/.../ if you feel unwell.
- P303+P361+P353 · IF ON SKIN(or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing
- P304+P340 · IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
- P305+P351+P338 Continue rinsing.
- IF exposed or concerned: Call a POISON CENTER/doctor.
- IF exposed or concerned: Get medical advice/attention.
- P308+P311 · Call a POISON CENTER/doctor if you feel unwell.
- P308+P313 · Get medical advice/attention if you feel unwell.
- P312 · Specific treatment (see on this label)
- P314 · Rinse mouth.
- P321 · If eye irritation persists, Get medical advice/attention.
- P330 · In case of fire: Use alcohol resistant foam/ ABC-powder/ CO2/ Water spray to extinguish.
- P337+P313
- P370+P378

**【Storage】**

- P403+P233 · Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 · Store in a well-ventilated place. Keep cool.
- P405 · Store locked up.

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P501 **【Disposal】**  
 ·Dispose of contents/container in accordance with local/regional/national/international regulation.

**Supplemental Hazard information (USA) :**

1.86% of the mixture consists of ingredient(s) of unknown acute toxicity-oral 14.68% of the mixture consists of ingredient(s) of unknown acute toxicity-dermal 1.20% of the mixture consists of ingredient(s) of unknown acute toxicity-Inhalation(Gases) 1.20% of the mixture consists of ingredient(s) of unknown acute toxicity-inhalation(Vapors) 74.05% of the mixture consists of ingredient(s) of unknown acute toxicity-inhalation(Dusts and Mists)

**SECTION 3: Composition / information on ingredients**

: Mixtures

Substance	% (weight)	CAS No.	Trade Secret
Ethanol	7.8	64-17-5	
Titanium dioxide	13	13463-67-7	
1-Methoxypropan-2-ol	40	107-98-2	
Propan-2-ol	11	67-63-0	

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

Call a physician immediately.

**Following inhalation:**

Remove casualty to fresh air and keep warm and at rest.

**Following skin contact**

Wash 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 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 (CO<sub>2</sub>) 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 :**  
Remove persons to safety.

**Environmental 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 :**

Safe handling: see section 7 Disposal: see section 13 Personal protection equipment: see section 8

**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: Use only in well-ventilated areas.

**Measures to prevent fire**

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

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Use only  
Remark: antistatically equipped (spark-free) tools. When using do not smoke. Take precautionary measures  
against static discharges.

**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

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**Environmental precaution :**

Shafts and sewers must be protected from entry of the product.

**Special requirements or handling rules :**

No data available

**Advice on general occupational hygiene :**

Avoid contact with skin, eyes and clothes.

**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 container tightly closed 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
Ethanol	64-17-5	US	1000	1900				
Propan-2-ol	67-63-0	US	400	980	500	1225		
1-Methoxypropan-2-ol	107-98-2	US	50	184	100	369		
Titanium dioxide	13463-67-7	US		10				

## Biological limit values

Ingredient	CAS NO.	EC No	Country	Unit	Limit value	Parameter
Propan-2-ol	67-63-0	200-661-7	US	mg/L	40	Acetone in urine

**Exposure controls****Appropriate engineering controls**

Initial Remarks : See section 7. No additional measures necessary.

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

Fresh air (open windows and doors) is necessary.

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

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**Respiratory protection**

Respiratory protection necessary at :

Handling larger quantities

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**

Physical state	liquid
Color	light orange
Odour	Ether
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	about 78°C
Flash point	21°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 chemically stable under recommended conditions of storage, use and temperature.

**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**

Acid Oxidising agent, strong

**Hazardous decomposition products:**

No data available

**Additional information**

No data available

**SECTION 11: Toxicological information****Information on toxicological effects**

Acute toxicity inhalation(vapours)

1-Methoxypropan-2-ol(Cat. 4)

Serious eye damage/eye irritation

1-Methoxypropan-2-ol(Cat. 2B) /Propan-2-ol(Cat. 2A) /Ethanol(Cat. 2B)

Carcinogenicity

Ethanol(Cat. 1) /Titanium dioxide(Cat. 2)

Reproductive toxicity

Propan-2-ol(Cat. 2) /Ethanol(Cat. 1)

Specific target organ toxicity - Single exposure

1-Methoxypropan-2-ol(Cat.3(Narcotic effects)) /Propan-2-ol(Cat. 1) /Propan-2-ol(Cat.3(Respiratory tract irritation))

/Ethanol(Cat.3(Respiratory tract irritation)) /Ethanol(Cat.3(Narcotic effects))

Specific target organ toxicity - Repeated exposure

Propan-2-ol(Cat. 1) /Propan-2-ol(Cat. 2) /Ethanol(Cat. 1) /Ethanol(Cat. 2) /Titanium dioxide(Cat. 1)

**Symptoms related to the physical, chemical and toxicological characteristics****In case of ingestion :**

No data available

**In case of skin contact :**

No data available

**In case of inhalation :**

Inhalation causes narcotic effects/intoxication.

**Additional information :**

No data available

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

No data available

**Hazardous to the aquatic environment-Chronic hazard:**

No data available

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**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 supplier 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**

MARPOL 73/78 and the IBC Code :	Not applicable
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**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:64-17-5,Ethanol in alcoholic beverages,1 ;

CASNO:67-63-0,Isopropyl alcohol,3 ;

CASNO:7631-86-9,Silicon dioxide,3 ;

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

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

Not available

**Proposition65 Safe Drinking Water and Toxic Enforcement Act of 1986 :**

Not available

**Chemical Safety Assessment**

No data available

**SECTION 16: Other information****Date of preparation:**

2020/11/30

**Version number:**

XPxKA#3xx201130US-1

**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, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.