



C-INK

Revised : July 2, 2019

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SAFETY DATA SHEET

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1. Identification

Product name : OniCoat OC-01120C

Supplier's details

Company name : C-INK CO., LTD.

Address : Akahama 550, Soja, Okayama, 719-1121 JAPAN

TEL•FAX : +81-866-92-5111

2. Hazards identification

GHS classification : Acute Toxicity (Oral) Category 5

Acute Toxicity (Dermal) Category 5

Skin Corrosion / Irritation Category 2

Serious Eye Damage / Eye Irritation Category 2B

Acute Aquatic Hazard Category 2

Chronic Aquatic hazard Category 2

Symbol :



Signal word : Warning

Hazard statement : May be harmful if swallowed.

May be harmful in contact with skin.

Causes skin irritation.

Causes eye irritation.

Toxic to aquatic life.

Precautionary Statement

Safety Precautions : Wash hands thoroughly after handling.

Wear protective gloves / protective clothing / eye protection / face protection.

Avoid release to environment.

OniCoat



C-INK

Immediate Measures : Call a POISON CENTER or doctor/physician if you feel unwell.

Collect spillage.

Disposal : Dispose of contents / container in accordance with local / regional / national / international regulation.

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3. Composition/information on ingredients

Chemical Identity : Mixture

<u>Components :</u>	<u>Contents (mass%)</u>	<u>CAS No.</u>
Hydrofluoroether	50 ~ 60	Nondisclosure
Methaxylenehexafluoride	20 ~ 30	Nondisclosure
Fluoroacrylatte	15 ~ 25	Nondisclosure
Total	100	

4. First aids measures

If Swallowed : If in conscious, give the water.

Do not induce vomiting.

Rinse mouth.

Get medical advice / attention if you feel unwell.

If inhaled : Remove victim to fresh air and keep at rest in a position.

Get medical advice / attention if you feel unwell.

If on Skin : Gently wash with plenty of soap and water.

Get medical advice / attention if you feel unwell.

If in Eyes : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

If eye irritation persists : Get medical advice / attention.

Anticipated Symptoms Acute and Delayed : Irritation of “mucous membranes”, “upper respiratory”, “oral cavity”, “pharynx”, “skin” and “eyes”.

Special Notes to physician : Delayed disorder is not known.

No information about detoxification.

No information about contraindications.





5. Fire-fighting measures

Extinguish Media : Water spray, Powder, Foam, Carbon dioxide

Extinguish Media which Must not Use : Nothing

Specific Hazards : May produce irritation, toxicity or corrosion gasses by fire.

Specific Extinguish Method : When the movement of the container is impossible, cool off by water sprinkling to a container and around.

Cool a container using large quantity of water after fire extinguish also.

Protective Equipment for Fire-Fighters : Wear chemical full-scale protection clothes and self-support-type respiratory organs.

6. Accidental release measures

Personal Precautions :

Isolate appropriate distance as a leak area.

Remove a firing source.

Prohibit the entrance except the person concerned.

Do not cross the leakage point.

Do not walk over a leakage.

Wear chemical full-scale protection clothes and self-support-type respiratory organs.

Away from the lowland.

Run away to windward.

Environmental Precautions : Prevent flow into the river / groundwater / sewer.

Avoid release to environment.

Collection / Neutralizing : Absorb in a dry soil, sand, noncombustible materials.

Overlying, to recover the empty container can be sealed.

Method for Containment : Prevent further leakage or spillage if safe to do so.

Use sand, perlite or vermiculite as an absorbent for large spills of this material.

Method for Clean UP : Sweep up or gather material and place in appropriate container for disposal.

Measures to prevent secondary disasters : Remove all sources of ignition immediately.

Prevent flow into the drainage ditch / sewers / waterway /
groudwater.

Obtain the support of relevant departments by notifies.





7. Handling and storage

Handling

Technical Measures : Wear Suitable protective equipment. (see Section 8 of this SDS)

Do not breath mist / vapor.

Wash hands thoroughly after handling.

Ventilation : Use local exhaust ventilation or general ventilation. (see Section 8 of this SDS)

Safe Handling Precautions : Read and get understand this SDS before use.

Industrial / Professional use only.

Handle container carefully.

Use only outdoors or in a well-ventilated area.

Avoid contact with hazardous substances.

Be separate from the drainage system,

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Contact avoidance : See Section 10 of this SDS.

Storage

Technical Measures : Store in a well-ventilated place.

Keep container tightly closed.

Storage Conditions : Store in a cool / well-ventilated place.

Protect from sunlight.

Keep away from heat, hot surface, sparks, open flames and other ignition sources.

Incompatible Materials : See section 10 of this SDS.

Packaging materials : None specified.

Pursuant to the product container.





8. Exposure controls / personal protection

Administrative Levels : Non-setting

Threshold Limit : No data

Facilities : Place eye washer and safety shower at the storage field and workshop.

Place general ventilation at the workshop.

Place local exhaust ventilation when heating.

Personal Protective Equipment

Respiratory Protection : If short time or low density, use full-face mask with organic vapor cartridge.

If long time or high density or thermal decomposition, use full-face mask type supplied
air respirator.

Eye Protection : Wear eye protection with full shielding.

Hand Protection : Wear protective gloves that is chemical resistance and impermeable.

Skin Protection : Wear protective clothing.

Hygiene Measures : Check the protective equipment regularly.

Wash hands thoroughly after handling.

Wash contaminated clothing before reuse.

9. Physical and chemical properties

Appearance, etc. : Slightly yellow clear liquid, Aromatic odor.

Boiling point : Approx. 110 ~ 120 deg. C

Melting Point / Freezing Point : No data

Solubility : Insoluble in water

Flash point (closed-cup) : None.

pH : Not applicable.

Auto-Ignition Temperature : No data

Upper/Lower flammability or Explosive Limits : No data

Density : Approx. 1.5 g/cm³





10. Stability and reactivity

Stability : Stable under recommended storage conditions and normal use condition.

Possibility of Hazardous Reaction : Nothing

Conditions to Avoid : High temperature

Substances to be avoided : Oxidizer / Alkali metals / Aluminum powder / Magnesium powder

Hazardous Decomposition Products : Decomposes with heat.

Above 280 deg. C : Fluorine resin monomer, CF_2O

Above 450 deg. C : Hydrogen fluoride, etc.

11. Toxicology information

Acute Toxicity : Oral $LD_{50} > 2,000\text{mg/kg}$ (rats)

Dermal $LD_{50} > 2,000\text{mg/kg}$ (rats)

Inhalation(vapours) $LC_{50} > 989\text{ mg/L}$ (rats)

Inhalation(mists) No data

Skin Corrosion / Irritation : Be observed skin irritation.

Serious Eye Damage / Eye Irritation : Be observed eye irritation.

Germ Cell Mutagenicity : Ames test Negative

12. Ecological information

Acute Aquatic Hazard : 48 Hours $EC_{50} = 2.3\text{ mg/L}$ (Crustacean = *Daphnia magna*)

Chronic Aquatic hazard : It contains a Category 2 material

Global Warming Potential : No data

Ozone Depletion Hazard : No data

13. Disposal conditions

Residual waste : Incineration is recommended. Combustion products containing HF.

Dispose of contents /container in accordance with local / regional / national / international regulation.

Entrust to the industrial waste treatment company that has received permission.

Convey the risks and hazards to industrial waste treatment company.

Contaminated container / Packing : Washing when recycling.

Dispose of container in accordance with local / regional / national / international regulation.





14. Transport information

International regulations

Maritime Regulations : Follow the provisions of IMDG/IMO. Not dangerous Goods.

Aerial Regulations : Follow the provisions of ICAO/IATA. Not dangerous Goods.

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15. Regulatory information

There is not the matter which should mention specially.

Please be based on the law of each country.

16. Other information

Reference : JIS Z 7252 : 2014

JIS Z 7253 : 2012

Japan Society for Occupational Health (2010)

ACGIH (2013)

CLP Regulation

Remarks : Assessment of danger and harmfulness is not always satisfactory, an so utmost care should be exercised for handling.

This Data Sheet is prepared based on JIS Z 7253 : 2012 and intended to provide the optimum information and updated data for adequately using and handling the product under proper conditions. It is no guarantee of the noted data and assessment,

