

Decoprint SS

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Decoprint SS

1.2. Relevant identified uses of the substance or mixture and uses advised against

UV Printing Ink

1.3. Details of the supplier of the safety data sheet

Polymeric Imaging
117 East 14th Avenue
North Kansas City, MO 64116 - United States
T 816-221-5567

1.4. Emergency telephone number

Emergency number : CHEMTREC: 800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Skin Irrit. 2 H315 – Causes Skin irritation
Skin Sens. 1 H317 – May cause an allergic skin reaction
H319 – Causes serious eye irritation
H372 – Causes damage to organs through prolonged or repeated exposure

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

GHS08

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H372 - Causes damage to organs through prolonged or repeated exposure
H319 - Causes serious eye irritation
Precautionary statements (GHS-US) : P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash hands thoroughly after handling
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302+P352 - If on skin: Wash with plenty of water
P332+P313 - If skin irritation occurs: Get medical advice/attention
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P363 - Wash contaminated clothing before reuse
P501 - Dispose of contents to approved waste container

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

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Name	Product identifier	%	Classification (GHS-US)
Monomer acrylate	Proprietary	15 - 20	Skin Irrit. 2, H315 Skin Sens. 1, H317
vinylcaprolactam	(CAS No) 2235-00-9	9 - 20	Acute Tox. 4 (Oral), H302

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Get medical advice/attention if you feel unwell. If you feel unwell, seek medical advice. Never give anything by mouth to an unconscious person.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. When symptoms occur: go into open air and ventilate suspected area. Immediately call a poison center or doctor/physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Get medical advice/attention. Move the affected person away from the contaminated area and into the fresh air.
- First-aid measures after skin contact : Gently wash with plenty of soap and water. When symptoms occur: rinse immediately with plenty of water. Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Get medical advice/attention. If eye irritation persists: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Do NOT induce vomiting. Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : No data available.
- Symptoms/injuries after inhalation : Central nervous system depression. Nausea. Shortness of breath. Respiratory difficulties.
- Symptoms/injuries after skin contact : Burns. Causes skin irritation. Dry skin. Cracking of the skin. Irritation. May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking. Repeated exposure to this material can result in absorption through skin causing significant health hazard.
- Symptoms/injuries after eye contact : Causes eye irritation. May cause severe irritation. Redness of the eye tissue.
- Symptoms/injuries after ingestion : Central nervous system depression.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : ABC powder. Dry powder. Foam. Water spray. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

- Reactivity : Reacts violently with (some) acids. Reacts violently with (strong) oxidizers. Reacts violently with (some) bases.

5.3. Advice for firefighters

- Firefighting instructions : Evacuate area. Exercise caution when fighting any chemical fire.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Wear respiratory protection.
- Special protective equipment for fire fighters : EN 13911 - protective clothing for firefighters.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Absorb spillage to prevent material damage. Evacuate area.

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection" "

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. Prevent entry to sewers and public waters. Prevent soil and water pollution. Prevent spreading in sewers.

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6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage. Plug the leak, cut off the supply.
Methods for cleaning up	: Take up liquid spill into absorbent material. Absorb spillage to prevent material damage. Carefully collect the spill/leftovers.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a well-ventilated place. Keep cool.
Incompatible products	: Strong bases. strong acids. Oxidizing agent.
Incompatible materials	: Direct sunlight. Heat sources. Metals.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Hand protection	: Protective gloves.
Eye protection	: Safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Varied
Odor	: Acrylate odor
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: Varies, color dependent. Call lab for specific densities.
Relative vapor density at 20 °C	: No data available
Solubility	: Insoluble
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: Varies, color dependent

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Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts violently with (some) acids. Reacts violently with (strong) oxidizers. Reacts violently with (some) bases.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Extreme temperatures

10.5. Incompatible materials

Acids, bases

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

1,6-hexanediol diacrylate (13048-33-4)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	3600 mg/kg (Rabbit)
ATE US (dermal)	3600.000 mg/kg body weight
vinylcaprolactam (2235-00-9)	
LD50 oral rat	1400 mg/kg (Rat)
LD50 dermal rabbit	> 400 mg/kg (Rabbit)
ATE US (oral)	1400.000 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : Central nervous system depression, Nausea, Shortness of breath, Respiratory difficulties.

Symptoms/injuries after skin contact : Burns, Causes skin irritation, Dry skin, Cracking of the skin, Irritation, May cause an allergic skin reaction, Repeated exposure may cause skin dryness or cracking, Repeated exposure to this material can result in absorption through skin causing significant health hazard.

Symptoms/injuries after eye contact : Causes eye irritation, May cause severe irritation, Redness of the eye tissue.

Symptoms/injuries after ingestion : Central nervous system depression.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

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12.2. Persistence and degradability

Monomer Acrylate	
Persistence and degradability	Inherently biodegradable.
vinylcaprolactam (2235-00-9)	
Persistence and degradability	Biodegradable in water. Biodegradability in soil: no data available.

12.3. Bioaccumulative potential

Monomer Acrylate	
Bioaccumulative potential	No bioaccumulation data available.
vinylcaprolactam (2235-00-9)	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Additional information : Clean up even minor leaks or spills if possible without unnecessary risk.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Decoprint	
Components are either listed or excluded from listing on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 313 - Emission Reporting	Monomer that is a member of the glycol ether family 15-21% %

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

caprolactam (105-60-2)	
U.S. - New Jersey - Right to Know Hazardous Substance List	

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SECTION 16: Other information

Other information

: Polymeric makes no warranty, express or implied, as to the accuracy or reliability of information contained herein, except that such information is, to the best of Polymeric's knowledge and belief, accurate as of the date indicated on this document. Final determination of suitability of material is the sole responsibility of the user. All the materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Polymeric urges the customer receiving this safety data sheet to study it carefully to become aware of the hazards, if any, in the product. In the interest of safety, the customer should (1) notify your employees, agents and contractors of the information included in this SDS and (2) furnish a copy to each of your employees, customers and agents.

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H372	Causes damage to organs through prolonged or repeated exposure

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product