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Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name SUPREME UV
PINK
Product Category INK PRODUCT

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

Recommended uses Printing
operations

1.3 Details of the supplier of the safety data sheet

Unit 13, 85 West Wilmot Street, Richmond Hill, Telephone: +1 905 482 3106
Ontario, L4B 1K7, Canada Fax: 905 482 3107

Section 2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

According to Regulation (CE) No 1272/2008

Skin Corrosion/Irritation	Category 2 – (H315)
Serious Eye Damage/ Eye Irritation	Category 2 – (H319)
Skin Sensitization	Category 1A – (H317)
Specific Target Organ Toxicity (repeated exposure)	Category 2 – (H373)
Chronic Aquatic Toxicity	Category 2 – (H411)

2.2 Label Elements



Signal Word
Warning

Hazard Statements

H315 – Causes skin irritation
H317- May cause an allergic skin reaction

H319 – Causes serious eye irritation
 H373 – May cause damage to organs through prolonged or repeated exposure
 H411 – Toxic to aquatic life with long lasting effects

Precautionary Statements

P264 – Wash face, hands and any exposed skin thoroughly after handling
 P305 + P351+ P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact, if present and easy to do. Continue rinsing
 P337 + P313 – If eye irritation persists, get medical advice/attention
 P261 – Avoid breathing dust/fume/gas/mist/vapor/spray
 P333 + P313 – if skin irritation or rash occurs, get medical advice/attention
 P314 – Get medical attention or advice if you feel unwell
 P273 – Avoid release to the environment
 P280 – Wear protective gloves/protective clothing/eye protection/face protection

2.3 Other Hazards

General Hazards

No information available

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Component	EC No.	CAS-No	Weight %	Classification According to Regulation (EC) No. 1272/2008 (CLP)	REACH No.	Note
2-Phenolxyethyl acrylate	256-360-6	48145-04-6	30-60	Skin sens. 1A (H317) Aquatic Chronic 2 (H411)	01-2119980532-35-xxxx	
4-(1,1-dimethylethyl) cyclohexyl acrylate	282-104-8	84100-23-2	10-30	Skin Irrit. 2 (h315) Eye Irrit. 2 (H319) STOT SE 3 (H335) Aquatic Chronic 2 (H411)	01-2120735441-62-xxxx	
Hexamethylene diacrylate (HDODA)	235-921-9	13048-33-4	10-30	Skin Irrit. 2 (h315) Eye Irrit. 2 (H319) Skin sens. 1A (H317)	01-2119484737-22-xxxx	
N-vinylcaprolactam	218-787-6	2235-00-0	5-10	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Eye Irrit. 2A (H319) Skin sens. 1B (H317) STOT RE 1 (H372) [liver, respiratory system]	01-2119977109-27-xxxx	
Bisphenol A ethoxylate diacrylate		64401-02-1	5-10	Auqatic Chronic 2 (H411)	01-2119969511-34-xxxx	
Tetrahydrofurfuryl acrylate esters	219-268-7	2399-48-6	5-10	Skin Irrit 2. (H315) Eye Irrit. 2 (H319)	No data available	
Ethylphenyl (2,4,6 – trimethylbenzoy) phosphina	282-810-6	84434-11-7	1-5	Skins Sens. 1B (H317) Auqatic Chronic 2 (H411)	01-2119987994-10-xxxx	
1-propanone 2- methyl-1-[4-(methylthio)phenyl]-2-(4-morpholinyl)	400-600-6	71868-10-5	1-5	Acute Tox. 4 (H302) Auqatic Chronic 2 (H411)	01-0000015054-80-xxxx	

Note

REACH No: Registration number(s) may not be provided because substance(s) are exempted or not yet required under REACH

Full text of H- and EIH-phrases: see section 16

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures

General Advice	Show this safety data sheet to the doctor in attendance
Eye Contact	Immediately flush with plenty of water. After flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists
Skin Contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If Irritation (redness, rash, blistering) develops, get medical attention.
Inhalation	Remove person to fresh air and keep comfortable breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.
Ingestion	DO NOT induce vomiting. Call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Non under normal use of conditions

4.3 Indication of any immediate symptoms and effects, both acute and delayed

Note to Physician Treat Symptomatically

Section 5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Foam. Carbon dioxide (CO₂). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and surrounding environment.

Unsuitable Extinguishing Media

No information available

5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions. Hazardous polymerization may take place during a fire due to heat. Closed containers could violently rupture.

5.3 Advice for Firefighters

As in any fire, wear self-contained breather apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) full protective gear. Cool containers/tanks with water spray. Sealed containers may rupture when heated.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of

spill/leak.

6.2 Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local/national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

6.4 Reference to other sections

See section 12 for more information.

Section 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep at temperatures between 18° – 32° C (65° – 90° F). Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Protect from direct sunlight. Keep away from open flames, hot surfaces and sources of ignition.

7.3 Specific end use(s)

Exposure scenario

No information available

Risk Management Methods (RMM)

The information required is contained in this safety Data Sheet

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies

Derived No Effect Level (DNEL)		
Component	DNEL – Dermal (Workers)	DNEL – Inhalation (Workers)
2-Phenoxyethyl acrylate 48145-04-6	1.5 mg/kg systemic long term	10 mg/m ³ (Systemic long term) 77mg/m ³ (Local long term)
4-(1,1-dimethylethyl) cyclohexyl acrylate 84100-23-2	0.5 mg/kg (Systemic long term)	1.8 mg/m ³ (Systemic long term)
Hexamethylene diacrylate (HDODA) 13048-33-4	2.77 mg/kg (Systemic long term)	24.5 mg/m ³ (Systemic long term)

N-vinylcaprolactam 2235-00-9	0.7 mg/kg (Systemic long term)	4.9 mg/m ³ (Systemic long term) 0.17 mg/m ³ (Local long term)
Bisphenol A ethoxylate diacrylate 64401-02-1	2 mg/kg (Systemic long term)	3.52 mg/m ³ (Systemic long term)
Ethyl phenyl (2,4,6-trimethylbenzoyl) phosphinate 84434-11-7	1.7 mg/kg (Systemic long term)	5.88 mg/m ³ (Systemic long term)
1-Propanone 2-methy;-1-[4-(methylthio)phenyl]-2-(4- morpholinyl)-71868-10-5	0.4mg/kg (Systemic long term)	2.82 mg/m ³ (Systemic long term)

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures

Provide a good standard of general ventilation. Natural ventilation is from doors, windows, etc. Controlled ventilation mean air is supplied or removed by a powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In cases of insufficient ventilation, wear suitable respiratory equipment.

Personal Protective Equipment

Eye/Face Protection

Wear safety glasses with side shields (or goggles). If splashes are likely to occur. Wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

Respiratory Protection

If exposure limits are exceeded or irritation experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking, or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

Environmental exposure controls

No information available

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Colored
Odor	Mild Sweet Acrylic	Odor Threshold	No information available

Property

pH

Values

Remarks ♦ Method

Melting Point/Freezing Point

No data available

No data available

Boiling Point/Boiling Range

> 149 °C / 300 °F

Flash Point

> 94 °C / 201 °F

Pensky Martens Closed Cup (PMCC)

Evaporation Rate

No data available

Flammability Limit in Air

Upper flammability Limit		No data available
Lower flammability Limit		No data available
Vapor Pressure		No data available
Vapor Density		No data available
Specific Gravity	1.05	
Water Solubility		No data available
Solubility in other solvents		No data available
Partition coefficient: n-octanol/water		No data available
Auto-ignition Temperature		No data available
Decomposition Temperature		No data available
Kinematic Viscosity		No data available
Dynamic Viscosity		No data available
Explosive Properties	No data available	
Oxidizing Properties	No data available	

9.2 Other Information

Softening Point No data available

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of Hazardous Reactions

None under normal processing. DO not store for longer periods at temperatures above 93° C (200°F)

10.4 Conditions to avoid

Temperatures above 93°C/ 200°F. Protect from direct sunlight. Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO₂). Carbon monoxide.

Section 11. TOXICOLOGY INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Inhalation	Specific test data for the substance or mixture is not available
Eye Contact	Specific test data for the substance or mixture is not available
Skin Contact	Specific test data for the substance or mixture is not available
Ingestion	Specific test data for the substance or mixture is not available

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values re calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	3,727.00
ATEmix (dermal)	11,753.00

Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity.
 0% of the mixture consists of ingredient(s) of unknown acute oral toxicity.
 0% of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
 0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
 0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
 0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component

2-Phenoxyethyl acrylate
 48145-04-6

Hexamethylene diacrylate (HDODA)
 13048-33-4

Oral LD50

=4660 µL/kg (Rat)

= 5 g/kg (Rat)

Skin corrosion/irritation	Specific test data for the substance or mixture is not available. Cause skin irritation (pain, redness and swelling). (Based on components).
Eye damage/irritation	Specific test data for the substance or mixture is not available. Cause serious eye irritation. (Based on components).
Sensitization	Specific test data for the substance or mixture is not available. May cause an allergic skin reaction. (Based on components).
Mutagenic Effects	Specific test data for the substance or mixture is not available.
Carcinogenic effects	Specific test data for the substance or mixture is not available.
Reproductive Effects	Specific test data for the substance or mixture is not available.
STOT – single exposure	Specific test data for the substance or mixture is not available.
STOT – repeated exposure	Specific test data for the substance or mixture is not available. May cause damage to organs through prolonged or repeated exposure. (based on components).
Target Organ Effects	Liver, Respiratory System
Aspiration Hazard	Specific test data for the substance or mixture is not available.

Section 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Specific test data for the substance or mixture is not available. Toxic to aquatic life with long lasting effects. (Based on components).

Unknown Aquatic Toxicity

0% of the mixture consists of component(s) of unknown hazard to the aquatic environment.

12.2 Persistence and degradability

No information available

12.3 Bio accumulative potential

No information available

12.4 Mobility in Soil

No information available

12.5 Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bio-accumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bio-accumulating (vPvB)

12.6 Other adverse effects

No information available

Section 13. DISPOSAL CONSIDERATIONS

13.1 Water treatment methods

Waste from residues/unused products Contaminated Packaging

Contain and dispose of waste according to local regulations
Empty containers should be taken to an approved waste handling site for recycling or disposal

Section 14. TRANSPORT CONSIDERATIONS

ADR

Not regulated

Exception: If in quantities of 5L or less (per inner packaging) for liquids or 5KG or less (per inner packaging) for solids these items may be shipped as not regulated [additional general packaging requirements must be met see ADR special provision 375]

ICAO/IATA/IMDG/IMO

Not regulated

Exception: If in quantities of 5L or less (per inner packaging) for liquids or 5KG or less (per inner packaging) for solids these items may be shipped as not regulated [additional general packaging requirements must be met see ICAO/IATA special provision A197]

Exception: If in quantities of 5L or less (per inner packaging) for liquids or 5KG or less (per inner packaging) for solids these items may be shipped as not regulated [additional general packaging requirements must be met see IMDG special provision 2.10.2.7]

Section 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislations specific for the substance or mixture

European Union

International Inventories

For further information, please contact: Supplier (manufacturer, importer/downstream user/distributor)

15.2 Chemical Safety Assessment

No information available

Section 16. OTHER INFORMATION

Key or legend to abbreviation and acronyms used in the safety data sheet

Full text of H-statements referred to under sections 2 and 3

H302 – Harmful if swallowed

H312 – Harmful if contact with skin

H315 – Causes skin irritation

H317 – May cause an allergic skin reaction

H319 – Causes serious eye irritation

H335 – May cause respiratory irritation

H372 – Causes damage to organs through prolonged or repeated exposure

H411 – Toxic to aquatic life with long lasting effects

Legend – Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	Time-weighted average
STEL	Short Term Exposure Limit
Ceiling	Maximum limit value

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This safety data sheet complies with the requirement of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used on combination with any other materials or in any process, unless specified in the text.

End of Safety Date Sheet