



December 12, 2014

To Whom It May Concern,

RE: Volatile Organic Compounds for UV Products(VOC's)
Hazardous Air Pollutants(HAP's)

The VOC/HAP content of our UV curable coatings is documented in the attached Certified Product Data Sheets. The total recordable VOC content for each product is enumerated below.

RD3326 UV Sanding Sealer – 1.20 grams/liter VOC; HAPS Free
RD1846 Medium Gloss UV Top Coat – 12.01grams/liter VOC; HAPS Free

The above coatings are HAPS Free and considered Low VOC products under the US Green Building Council's description of Low VOC Coatings with a VOC content under 50 grams/liter. The US Green Building Council also describes a Zero VOC Coating as a coating that has a VOC content less than 5 grams/liter.

Michael Zupancic
Vice President

P.O. Box 418 – McKees Rocks, PA 15136
1320 Island Avenue – McKees Rocks, PA 15136

Telephone: (412) 771-8110
FAX: (412) 771-9001

CERTIFIED PRODUCT DATA SHEET

PRODUCT NAME: UV SANDING SEALER
PRODUCT CODE: RD3326

HMIS CODES: H F R P
2 1 2 X

SECTION ONE – MANUFACTURE IDENTIFICATION

MANUFACTURE'S NAME: R&D COATINGS, Inc.
ADDRESS: PO BOX 418, MCKEES ROCKS, PA 15136
INFORMATION PHONE: 412-771-8110

DATE PRINTED:12/12/14

SECTION TWO

REPORTABLE HAP	CAS NUMBERS	VOLATILE HAP WT%	LEVELS VOL %
N/A			

SECTION THREE – PHYSICAL/CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (H2O = 1):	1.202	Lbs/Gal:	10.006
Grams/ Liter:	1199.019	VOLATILE VOLUME %	0.130
VOC WEIGHT %	0.103	MATERIAL V.O.C. (Lbs/Gal) :	0.010
COATING V.O.C. (Lbs/Gal):	0.010	MATERIAL V.O.C. (Grams/Liter):	1.200
COATING V.O.C. (Grams/Liter):	1.200	LBS. VHAPS/LB. SOLID:	0
LBS.VOC/LB. SOLID:	0.001	WEIGHT % VHAPS:	0
%SOLID BY WEIGHT:	99.897	LBS VHAP/GAL SOLIDS:	0
%SOLID BY VOLUME:	99.870	Grams VHAP/Liter SOLIDS:	0
%VOC-EXEMPT CHEMICALS:	0		
%WATER:	0		

Disclaimer: While the data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. The data and information provided are calculated using the most recent formula version for this product. Certified Product Data Sheets (CPDS) follow the Federal guidelines for classification of materials. Some state and local communities have guidelines more stringent than Federal regulations. Therefore, it remains the responsibility of the user to determine compliance. We recommend that you perform an assessment to determine the suitability of the product and data for your particular requirements.

The information contained in this document is provided to assist the user of the product in complying with appropriate federal, state and local laws and regulations. While R&D Coatings, Inc. believes that the data contained herein is accurate and derived from qualified sources, the data is not to be taken as warranty or representation for which R&D Coatings, Inc. assumes legal responsibility. Any use of this data and information must be determined by the user to be appropriate and in accordance with the applicable laws and regulations.

The data contained on this report is based on the product delivered to the ship location. Each customer must take responsibility for verifying use at any location other than the ship to location.

CERTIFIED PRODUCT DATA SHEET

PRODUCT NAME: MEDIUM GLOSS UV TOPCOAT
PRODUCT CODE: RD1846

HMIS CODES: H F R P
2 1 2 X

SECTION ONE – MANUFACTURE IDENTIFICATION

MANUFACTURE'S NAME: R&D COATINGS, Inc.
ADDRESS: PO BOX 418, MCKEES ROCKS, PA 15136
INFORMATION PHONE: 412-7718110

DATE PRINTED: 12/12/14

SECTION TWO

REPORTABLE HAP	CAS NUMBERS	VOLATILE HAP WT%	LEVELS VOL %
N/A			

SECTION THREE – PHYSICAL/CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (H2O = 1):	1.173	Lbs/Gal:	9.769
Grams/ Liter:	1170.619	VOLATILE VOLUME %:	1.168
VOC WEIGHT %	1.010	MATERIAL V.O.C. (Lbs/Gal) :	0.099
COATING V.O.C. (Lbs/Gal):	0.099	MATERIAL V.O.C. (Grams/Liter):	11.860
COATING V.O.C. (Grams/Liter):	11.860	LBS. VHAPS/LB. SOLID:	0
LBS.VOC/LB. SOLID:	0.010	WEIGHT % VHAPS:	0
%SOLID BY WEIGHT:	98.990	LBS VHAP/GAL SOLIDS:	0
%SOLID BY VOLUME:	98.832	Grams VHAP/Liter SOLIDS:	0
%VOC-EXEMPT CHEMICALS:	0		
%WATER:	0		

Disclaimer: While the data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. The data and information provided are calculated using the most recent formula version for this product. Certified Product Data Sheets (CPDS) follow the Federal guidelines for classification of materials. Some state and local communities have guidelines more stringent than Federal regulations. Therefore, it remains the responsibility of the user to determine compliance. We recommend that you perform an assessment to determine the suitability of the product and data for your particular requirements.

The information contained in this document is provided to assist the user of the product in complying with appropriate federal, state and local laws and regulations. While R&D Coatings, Inc. believes that the data contained herein is accurate and derived from qualified sources, the data is not to be taken as warranty or representation for which R&D Coatings, Inc. assumes legal responsibility. Any use of this data and information must be determined by the user to be appropriate and in accordance with the applicable laws and regulations.

The data contained on this report is based on the product delivered to the ship location. Each customer must take responsibility for verifying use at any location other than the ship to location.

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UV SANDING SEALER

Date Printed: 12/12/2014

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1. Product and Company Identification

Product Name : UV SANDING SEALER
Product Code : RD3326
Recommended Use: For industrial use only.

Company Identification:

R & D COATINGS
1320 ISLAND AVENUE
McKEES ROCKS, PA 15136

Information Phone: 412-771-8110
Emergency Phone: 800-424-9300

2. Hazards Identification

Potential Health Effects

Eye:

This material causes irritation, experienced as pain, with excess blinking and tear production. May cause extreme redness, swelling and chemical burns of the eye. Severe eye damage may cause blindness. Symptoms disappear when exposure is terminated.

Skin:

This material is expected to be a severe skin irritant. May cause immediate skin irritation and blistering. Symptoms of irritation may be delayed. Allergic skin reactions or primary skin irritation may be produced by prolonged or repeated dermal contact with this material. Repeated contact may cause skin sensitization (allergic skin reaction).

Ingestion:

May cause irritation; symptoms may include abdominal pain, nausea, vomiting and diarrhea.

Inhalation:

No significant signs or symptoms indicative of any adverse health hazard are expected to occur at standard conditions due to the low volatility of this product. However, aerosols, or vapors which may be generated at elevated processing temperatures, may cause respiratory tract irritation. Symptoms of irritation may include coughing, mucous production, and shortness of breath.

Chronic (Cancer) Information:

This product is not considered to cause cancer. Not carcinogenic.

Teratology (Birth Defects) Information:

Product not fetotoxic or Teratogenic.

Reproduction Information:

Product does not cause Reproduction Issues.

Aggravation of Pre-Existing Conditions:

A review of available data does not identify any worsening of existing conditions.

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3. Composition/Information on Ingredients

Component	CAS#	% by Wt.
# Talc-Hydrous Magnesium Silicate	14807-96-6	10.45
∅ Trimethylolpropane Triacrylate Esters No PEL's or TLV's hve been established.	15625-89-5	< 10%
Dipropylene glycol diacrylate	57472-68-1	5.33
∅ Amine Modified Polyether Acrylate Oligomer	Trade Secret	< 5%
PHOTOINITIATOR	TRADE SECRET	2.12
Benzophenone	119-61-9	1.38
Ethoxylated Trimethylolpropane Triacrylate	28961-43-5	.90
2-hydroxy-2-methyl-1-phenyl-1-propanone	7473-98-5	.74
ANTIFOAMING ADDITIVE	Trade Secret	.16

indicates OSHA listed hazard
∅ - Indicates a non-hazardous ingredient
Refer to Section 3 of this MSDS.

4. First Aid Measures

Eyes:

Do not rub eyes. Flush with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure enough rinsing. Get medical attention if irritation persists.

Skin:

Remove contaminated clothing and wash contact area with soap and water for 15 minutes. Particular attention should be paid to hair, nose, ears and other areas not easily cleaned. See section VIII. Note to Physician: Effects can be delayed for 24 to 48 hours.

Ingestion:

DO NOT INDUCE VOMITING. If large amounts of the product are ingested, give 2 glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention.

Inhalation:

In case of exposure to high concentration of vapor or mist, remove person to fresh air. If breathing has stopped,

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administer artificial respiration and seek medical advice.

Note to Physicians:
No specific instructions listed.

5. Fire Fighting Measures

Flammable Properties:

Flash Point: > 200°F

Explosive Limits:

Lower explosive limit: NOT ESTABLISHED

Upper explosive limit: NOT ESTABLISHED

Autoignition Temperature:

NOT APPLICABLE.

Hazardous Combustion Products:

Fumes produced when heated to decomposition may include: carbon monoxide and carbon dioxide.

Extinguishing Media:

Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.

Firefighting Procedures:

Product is Non-Flammable. Product in or near fires should be cooled with water spray or fog. Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing products (SCBA) with full face mask and full protective clothing.

6. Accidental Release Measures

Small Spill:

Ventillate if spilled indoors. Collect spills into inert absorbents. Sweep/scoop into containers for proper disposal.

Wash/wipe contaminated areas with non-toxic solvent and/or detergent.

Large Spill:

Contain spilled material if possible. Pump into suitable and properly labeled containers. Isolate area. Keep unnecessary and unprotected personnel from entering area. Use appropriate safety equipment. Prevent from entering soil, ditches, sewers, waterways and/or groundwater.

Environmental Precautions:

Avoid clean up procedures that may result in water pollution. Keep spills and cleaning runn-off out of municipal sewers and open bodies of water. Wash/wipe contaminated areas with non toxic solvent and/or detergent. For spills on water, contain minimized dispersion and collect. Dispose per regulatory requirements.

Methods/Materials for Containment and Cleaning Up:

For small spills, absorb liquid or vermiculate, floor absorbent or other absorbent material. For large spills, stop spill at source, dike area of spill to prevent spreading, pump liquid into salvage tank. Remaining liquid may be taken up in sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Shovel materials into container. Close container tightly and dispose of properly.

7. Handling and Storage

Handling:

Store in original containers away from incompatibles. Avoid freezing.

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Avoid contact with the eyes and skin. Avoid generating and breathing dust. Use with adequate local exhaust ventilation. Wear protective clothing to minimize skin contact. Remove contaminated clothing and clean before re-use. Wash thoroughly after work using soap and water. Keep away from children.

Storage:

Maintain proper storage conditions. "Proper storage conditions" means storage in sealed containers in cool, dry well ventilated areas. Avoid excessive temperatures, freezing conditions, and sources of ignition. Avoid humidity and moisture. Do not contaminate product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

NOT APPLICABLE.

Engineering Controls:

If handling results in aerosol or vapor generation, local exhaust ventilation is recommended.

Personal Protective Equipment**Respiratory Protection:**

None required unless exposed to aerosols generated through spraying or high temperature vapors.

Skin Protection:

Impervious gloves (Neoprene). A combination of barrier cream, applied before exposure and gloves is recommended. Do not apply cream after exposure.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Boiling Point: 306C/583F

Melting Point:

INFORMATION NOT AVAILABLE.

Freezing Point: n/a

Flash Point: >200F

Vapor Pressure:

1mm Hg

Vapor Density:

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Heavier than air.

Solubility in Water:

Non Soluble

Evaporation Rate:

Flammability (solid, gas):

Not applicable.

Exposure:

Upper Exposure Limit: n/a

Lower Exposure Limit: n/a

Specific Gravity: 1.2

pH: NOT APPLICABLE.

Odor:

Material has characteristic acrylate odor.

Odor Threshold:

NOT MEASURED.

Appearance::

Clear liquid.

Viscosity:

No Data Available.

Partition Coefficient:

Not Measured.

Autoignition Temperature:

10. Stability and Reactivity

Chemical Stability (Conditions to Avoid):

Direct heating, dirt, chemical contamination, sunlight, UV, or ionizing radiation, freezing temperatures.

Incompatibility:

Strong oxidizing and reducing agents.

Hazardous Decomposition Products:

None with proper storage and handling.

Hazardous Polymerization:

Under normal conditions of storage and use, hazardous reactions will not occur.

11. Toxicological Information

Eye:

Contact with the eyes might cause moderate irritation such as a burning sensation, tearing, redness and swelling.

Skin:

Contact with the skin may cause minor irritation. Symptoms include: slight localized redness or rash and swelling.

Ingestion:

May be harmful if swallowed. Seek medical attention.

Inhalation:

When used and handled according to specifications, this product does not have any harmful effects.

Subchronic:

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Acute symptoms may include: Eye and skin irritation. Inhalation, which is not common or expected, may cause mild respiratory tract irritation.

Chronic/Carcinogenicity:

When handled and used in accordance with specifications, this product does not have any chronic health effects.

IARC:

Class 3: Not Classifiable as Carcinogenic to Humans.

NTP:

Not regulated.

OSHA:

INFORMATION NOT AVAILABLE.

Teratology:

Not Classified.

Mutagenicity:

Not mutagenic.

Acute Toxicity:

For inhalation and ingestion, there are no known significant acute effects of toxicity expected. For skin and eye contact, this product may be slightly irritating, but not toxic.

STOT-single exposure

Not Classified.

STOT-repeated exposure

Not Classified.

Routes of Exposure:

Routes of exposure for this product include: skin, eyes and ingestion. This product is not likely to be inhaled or absorbed through the skin, under ordinary conditions.

12. Ecological Information

Environmental Fate:

This product has not undergone any Environmental Fate studies.

Environmental Toxicity:

This product has not undergone any ecotoxicological studies.

Chemical Fate Information:

This material has not undergone any tests for Chemical Fate.

Other Adverse Effects:

No other data available.

13. Disposal Considerations

Waste Disposal Method:

As prepared, product is considered Non-Hazardous. Dispose in accordance with all local, state, and federal or provincial regulations. If used or waste product is disposed of testing should be conducted to determine hazard characteristics.

Empty containers will have product residues. Do Not Reuse.

Contaminated Materials:

DO not reseal containers with contaminated materials. Overheating of the material may compromise product quality and/or result in contamination. Prevent contamination by avoiding heat, sparks, and open flame. Strong oxidizers, radiation and other inhibitors. Also prevent contamination by foreign materials. Maintain the original headspace in the product container. Dispose of contaminated material per regulatory requirements.

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14. Transport Information

Domestic (Land, DOT), International (Water, IMO/IMDG), International (Air, ICAO)
Road and Rail (ADR/RID), Air (ICAO/IATA), Vessel (IMO/IMDG):
Not classified as a dangerous good under transport regulations.

UN Number: NON HAZARDOUS MATERIAL

UN Shipping Name:
Non Hazardous Paint.

Transport Hazard Class: Not Regulated.

Packing Group: Group III

Environmental Hazards:
None expected.Marine Pollutant:
Not tested.Special Precautions for User:
None Known.

15. Regulatory Information

U.S. Federal Regulations:
No component of this product is listed on an US State Regulatory list of interest above its reporting threshold value.OSHA:
Refer to Section 3 of this MSDS.CERCLA: SARA Hazard Category:
Refer to Section 3 of this MSDS.Section 313:
INFORMATION NOT AVAILABLE.International Regulations:
Canadian WHMIS:
Not Classified.Canadian Environmental Protection Act (CEPA):
Not Applicable.EINECS:
Not Applicable.State Regulations:
No component of this product is included on an US State Regulatory list of interest above its reporting threshold value.**California Proposition 65**

CAS#

Chemical Name

Weight

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

Pennsylvania Right-To-Know

INFORMATION NOT AVAILABLE.

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

Volatile Organic Compounds:
Material VOC: 0.01 lb/gl

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Coating VOC : 0.01 lb/gl

16. Other Information

Approved By:

Janine O'Shea

Prepared By:

Janine O'Shea

Information Contact:

Michael Zupancic

Manufacturer Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, R&D Coatings Inc. does not assume liability for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards that exist.

R & D COATINGS
MEDIUM GLOSS UV TOPCOAT

Date Printed: 12/12/2014

Date Revised:

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1. Product and Company Identification

Product Name : MEDIUM GLOSS UV TOPCOAT
Product Code : RD1846
Recommended Use: For industrial use only.

Company Identification:

R & D COATINGS
1320 ISLAND AVENUE
McKEES ROCKS, PA 15136

Information Phone: 412-771-8110
Emergency Phone: 800-424-9300

2. Hazards Identification

Potential Health Effects

Eye:

This material causes irritation, experienced as pain, with excess blinking and tear production. May cause extreme redness, swelling and chemical burns of the eye. Severe eye damage may cause blindness. Symptoms disappear when exposure is terminated.

Skin:

This material is expected to be a severe skin irritant. May cause immediate skin irritation and blistering. Symptoms of irritation may be delayed. Allergic skin reactions or primary skin irritation may be produced by prolonged or repeated dermal contact with this material. Repeated contact may cause skin sensitization (allergic skin reaction).

Ingestion:

May cause irritation; symptoms may include abdominal pain, nausea, vomiting and diarrhea.

Inhalation:

No significant signs or symptoms indicative of any adverse health hazard are expected to occur at standard conditions due to the low volatility of this product. However, aerosols, or vapors which may be generated at elevated processing temperatures, may cause respiratory tract irritation. Symptoms of irritation may include coughing, mucous production, and shortness of breath.

Chronic (Cancer) Information:

This product is not considered to cause cancer. Not carcinogenic.

Teratology (Birth Defects) Information:

Product not fetotoxic or Teratogenic.

Reproduction Information:

Product does not cause Reproduction Issues.

Aggravation of Pre-Existing Conditions:

A review of available data does not identify any worsening of existing conditions.

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 MEDIUM GLOSS UV TOPCOAT

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3. Composition/Information on Ingredients

Component	CAS#	% by Wt.
∅ Epoxy Acrylate	Trade Secret	< 30%
∅ Trimethylolpropane Triacrylate Esters	15625-89-5	< 15%
No PEL's or TLV's hve been established.		
# Free Silica (Quartz)	14808-60-7	11.20
∅ Polyester Acrylate	Trade Secret	< 10%
Dipropylene glycol diacrylate	57472-68-1	6.79
Benzophenone	119-61-9	4.18
∅ ACRYLIC ESTER	Trade Secret	< 5%
2-hydroxy-2-methyl-1-phenyl-1-propanone	7473-98-5	1.39
ANTIFOAMING ADDITIVE	Trade Secret	.62
* 1-Methoxy-2-propanol acetate	108-65-6	.60

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

indicates OSHA listed hazard

∅ - Indicates a non-hazardous ingredient

Refer to Section 3 of this MSDS.

4. First Aid Measures

Eyes:

Do not rub eyes. Flush with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure enough rinsing. Get medical attention if irritation persists.

Skin:

Remove contaminated clothing and wash contact area with soap and water for 15 minutes. Particular attention should be paid to hair, nose, ears and other areas not easily cleaned. See section VIII. Note to Physician: Effects can be delayed for 24 to 48 hours.

Ingestion:

DO NOT INDUCE VOMITING. If large amounts of the product are ingested, give 2 glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention.

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Inhalation:

In case of exposure to high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical advice.

Note to Physicians:

No specific instructions listed.

5. Fire Fighting Measures**Flammable Properties:**

Flash Point: > 200°F

Explosive Limits:

Lower explosive limit: NOT ESTABLISHED

Upper explosive limit: NOT ESTABLISHED

Autoignition Temperature:

NOT APPLICABLE.

Hazardous Combustion Products:

Fumes produced when heated to decomposition may include: carbon monoxide and carbon dioxide.

Extinguishing Media:

Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.

Firefighting Procedures:

Product is Non-Flammable. Product in or near fires should be cooled with water spray or fog. Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing products (SCBA) with full face mask and full protective clothing.

6. Accidental Release Measures**Small Spill:**

Ventillate if spilled indoors. Collect spills into inert absorbents. Sweep/scoop into containers for proper disposal.

Wash/wipe contaminated areas with non-toxic solvent and/or detergent.

Large Spill:

Contain spilled material if possible. Pump into suitable and properly labeled containers. Isolate area. Keep unnecessary and unprotected personnel from entering area. Use appropriate safety equipment. Prevent from entering soil, ditches, sewers, waterways and/or groundwater.

Environmental Precautions:

Avoid clean up procedures that may result in water pollution. Keep spills and cleaning runn-off out of municipal sewers and open bodies of water. Wash/wipe contaminated areas with non toxic solvent and/or detergent. For spills on water, contain minimized dispersion and collect. Dispose per regulatory requirements.

Methods/Materials for Containment and Cleaning Up:

For small spills, absorb liquid or vermiculate, floor absorbent or other absorbent material. For large spills, stop spill at source, dike area of spill to prevent spreading, pump liquid into salvage tank. Remaining liquid may be taken up in sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Shovel materials into container. Close container tightly and dispose of properly.

7. Handling and Storage

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Handling:

Store in original containers away from incompatibles. Avoid freezing.

Avoid contact with the eyes and skin. Avoid generating and breathing dust. Use with adequate local exhaust ventilation. Wear protective clothing to minimize skin contact. Remove contaminated clothing and clean before re-use. Wash thoroughly after work using soap and water. Keep away from children.

Storage:

Maintain proper storage conditions. "Proper storage conditions" means storage in sealed containers in cool, dry well ventilated areas. Avoid excessive temperatures, freezing conditions, and sources of ignition. Avoid humidity and moisture. Do not contaminate product.

8. Exposure Controls/Personal Protection**Airborne Exposure Limits:**

NOT APPLICABLE.

Engineering Controls:

If handling results in aerosol or vapor generation, local exhaust ventilation is recommended.

Personal Protective Equipment**Respiratory Protection:**

None required unless exposed to aerosols generated through spraying or high temperature vapors.

Skin Protection:

Impervious gloves (Neoprene). A combination of barrier cream, applied before exposure and gloves is recommended. Do not apply cream after exposure.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Boiling Point: 306C/583F

Melting Point:

INFORMATION NOT AVAILABLE.

Freezing Point: n/a

Flash Point: >200F

Vapor Pressure:

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Vapor Density:
Heavier than air.

Solubility in Water:
Non Soluble

Evaporation Rate:

Flammability (solid, gas):
Not applicable.

Exposure:

Upper Exposure Limit: n/a

Lower Exposure Limit: n/a

Specific Gravity: 1.17

pH: NOT APPLICABLE.

Odor:
Material has characteristic acrylate odor.

Odor Threshold:
NOT MEASURED.

Appearance::
Clear liquid.

Viscosity:
No Data Available.

Partition Coefficient:
Not Measured.

Autoignition Temperature:

10. Stability and Reactivity

Chemical Stability (Conditions to Avoid):
Direct heating, dirt, chemical contamination, sunlight, UV, or ionizing radiation, freezing temperatures.

Incompatibility:
Strong oxidizing and reducing agents.

Hazardous Decomposition Products:
None with proper storage and handling.

Hazardous Polymerization:
Under normal conditions of storage and use, hazardous reactions will not occur.

11. Toxicological Information

Eye:
Contact with the eyes might cause moderate irritation such as a burning sensation, tearing, redness and swelling.

Skin:
Contact with the skin may cause minor irritation. Symptoms include: slight localized redness or rash and swelling.

Ingestion:

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May be harmful if swallowed. Seek medical attention.

Inhalation:

When used and handled according to specifications, this product does not have any harmful effects.

Subchronic:

Acute symptoms may include: Eye and skin irritation. Inhalation, which is not common or expected, may cause mild respiratory tract irritation.

Chronic/Carcinogenicity:

When handled and used in accordance with specifications, this product does not have any chronic health effects.

IARC:

Class 3: Not Classifiable as Carcinogenic to Humans.

NTP:

Not regulated.

OSHA:

INFORMATION NOT AVAILABLE.

Teratology:

Not Classified.

Mutagenicity:

Not mutagenic.

Acute Toxicity:

For inhalation and ingestion, there are no known significant acute effects of toxicity expected. For skin and eye contact, this product may be slightly irritating, but not toxic.

STOT-single exposure

Not Classified.

STOT-repeated exposure

Not Classified.

Routes of Exposure:

Routes of exposure for this product include: skin, eyes and ingestion. This product is not likely to be inhaled or absorbed through the skin, under ordinary conditions.

12. Ecological Information

Environmental Fate:

This product has not undergone any Environmental Fate studies.

Environmental Toxicity:

This product has not undergone any ecotoxicological studies.

Chemical Fate Information:

This material has not undergone any tests for Chemical Fate.

Other Adverse Effects:

No other data available.

13. Disposal Considerations

Waste Disposal Method:

As prepared, product is considered Non-Hazardous. Dispose in accordance with all local, state, and federal or provincial regulations. If used or waste product is disposed of testing should be conducted to determine hazard characteristics.

Empty containers will have product residues. Do Not Reuse.

Contaminated Materials:

DO not reseal containers with contaminated materials. Overheating of the material may compromise product quality and/or result in contamination. Prevent contamination by avoiding heat, sparks, and open flame. Strong oxidizers, radiation and

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other inhibitors. Also prevent contamination by foreign materials. Maintain the original headspace in the product container. Dispose of contaminated material per regulatory requirements.

14. Transport Information

Domestic (Land, DOT), International (Water, IMO/IMDG), International (Air, ICAO) Road and Rail (ADR/RID), Air (ICAO/IATA), Vessel (IMO/IMDG):

Not classified as a dangerous good under transport regulations.

UN Number: NON HAZARDOUS MATERIAL

UN Shipping Name:

Non Hazardous Paint.

Transport Hazard Class: Not Regulated.

Packing Group: Group III

Environmental Hazards:

None expected.

Marine Pollutant:

Not tested.

Special Precautions for User:

None Known.

15. Regulatory Information

U.S. Federal Regulations:

No component of this product is listed on an US State Regulatory list of interest above its reporting threshold value.

OSHA:

Refer to Section 3 of this MSDS.

CERCLA: SARA Hazard Category:

Refer to Section 3 of this MSDS.

Section 313:

INFORMATION NOT AVAILABLE.

International Regulations:

Canadian WHMIS:

Not Classified.

Canadian Environmental Protection Act (CEPA):

Not Applicable.

EINECS:

Not Applicable.

State Regulations:

No component of this product is included on an US State Regulatory list of interest above its reporting threshold value.

California Proposition 65

CAS#

Chemical Name

Weight

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

Pennsylvania Right-To-Know

The following ingredients are on the State of Pennsylvania "Right-to-Know" (RTK) list:

R & D COATINGS
MEDIUM GLOSS UV TOPCOAT

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14808-60-7	Free Silica (Quartz)
7631-86-9	Amorphous Silica

Volatile Organic Compounds:
Material VOC: 0.1 lb/gl
Coating VOC : 0.1 lb/gl

16. Other Information

Approved By:
Janine O'Shea

Prepared By:
Janine O'Shea

Information Contact:
Michael Zupancic

Manufacturer Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, R&D Coatings Inc. does not assume liability for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards that exist.