SAFETY DATA SHEET

Revision date 15-Sep-2017 **Version** 3 **Supersedes Date:** 25-Jul-2017

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name **HI GLOSS EDGEBANDING TOPCOAT**

The potential hazards associated with this compound have not been investigated and this material should be treated with caution and handled only by qualified laboratory personnel using proper personal protective equipment.

Product Code **T-8149-105**

UN/ID no UN3082

Recommended Use Paint, Coatings

Details of the supplier of the safety data sheet

See section 16 for more information

Axalta Coating Systems, LLC
Two Commerce Square, 2001 Market Street, Suite 3600
US Philadelphia, PA 19103

Axalta Coating Systems Canada Company
1915 Second St. W.
Cornwall, Ontario K6H 5R6
613-932-8960

E-mail address

Emergency telephone number 800-424-9300

Section 2: HAZARDS IDENTIFICATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3

Label elements

Signal word **WARNING**

HAZARD STATEMENTS
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of causing cancer
Suspected of damaging fertility or the unborn child
May cause respiratory irritation

PREVENTION
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area.

RESPONSE
IF exposed or concerned: Get medical advice/attention.

Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Inhalation
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion
Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

STORAGE
Store locked up. Store in a well-ventilated place. Keep container tightly closed.

DISPOSAL
Dispose of contents/containers in accordance with local regulations.

OTHER HAZARDS
Not applicable.

UNKNOWN ACUTE TOXICITY
.0001% of the mixture consists of ingredient(s) of unknown toxicity.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	weight-%
Acrylic Monomer	64401-02-1	25 - 30
Trimethylolpropane triacrylate	15625-89-5	10 - <15
Tripropylene glycol diacrylate	42978-66-5	10 - <15
2-PROPENOIC ACID, REACTION PRODUCTS WITH PENTAERYTHRITOL AND TDI	68412-43-1	10 - <15
POLYESTER ACRYLATE OLIGOMER	UNKNOWN	5 - <10
Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide	75980-60-8	5 - <10
Pentaerythritol Tetraacrylate	4986-89-4	3 - <5
1,6-Hexanediol diacrylate	13048-33-4	3 - <5
Benzophenone	119-61-9	1 - <3

Methyldiethanolamine	105-59-9	1 - <3
Pentaerythritol triacrylate	3524-68-3	0.3 - <1
Toluene	108-88-3	0.3 - <1
2-Hydroxy-4-n-octoxybenzophenone	1843-05-6	0.3 - <1

Section 4: FIRST AID MEASURES

First Aid Measures

General advice
Get medical advice/attention if you feel unwell.

Eye contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact
Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

Inhalation
IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

Ingestion
Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

flash point 205 °F / 96 °C

Upper flammability limit: No information available

Lower flammability limit: No information available

Autoignition temperature No information available

Explosion data
Sensitivity to Mechanical Impact No information available.
Sensitivity to Static Discharge No information available.

Suitable extinguishing media
Dry chemical, CO2, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2).

Specific hazards arising from the chemical
Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by skin contact.

Special protective equipment for fire-fighters
Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions
Avoid breathing vapors or mists. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

Environmental precautions
Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

Methods for containment
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up
Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal.

Section 7: HANDLING AND STORAGE

Advice on safe handling
Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.

General Hygiene Considerations
When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

Storage Conditions
Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Exposure Limits
If S* appears in the OEL table, it indicates this chemical contains a skin notation.

Chemical Name	ACGIH TLV	Alberta	British Columbia	Ontario TWA	Quebec	OSHA PEL
Toluene 108-88-3	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m³ S*	TWA: 20 ppm Adverse reproductive effect	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m³ S*	TWA: 200 ppm Ceiling: 300 ppm

Engineering Controls
Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Personal Protective Equipment

Eye/face protection
Tight sealing safety goggles.

Hand Protection
There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

Skin and body protection
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear suitable protective clothing.

Respiratory protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

Thermal Protection
No information available

Environmental exposure controls
Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid
Appearance	No information available
Odor	Organic
Color	clear
Odor Threshold	No information available
pH value	No information available
Melting point/freezing point	No information available
Boiling point / boiling range	No information available °C / °F
flash point	96 °C / 205 °F
evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor Pressure	No information available
vapor density	No information available
Density (lbs per US gallon)	9.29
specific gravity	1.11
Solubility(ies)	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available

Other information

Section 10: STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Incompatible materials	Strong oxidizing agents. Acids. Strong reducing agents. Amines.
Conditions to avoid	Heat, flames and sparks.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO2).
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	None under normal processing.

Section 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact
Causes serious eye irritation

Skin Contact
May cause an allergic skin reaction
Causes skin irritation
Ingestion
Not applicable
Inhalation
May cause respiratory irritation

Numerical measures of toxicity - Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acrylic Monomer 64401-02-1	-	-	-
Trimethylolpropane triacrylate 15625-89-5	= 5190 µL/kg (Rat)	= 5000 mg/kg (Rabbit)	-
Tripropylene glycol diacrylate 42978-66-5	= 6200 mg/kg (Rat)	> 2 g/kg (Rabbit)	-
2-PROPENOIC ACID, REACTION PRODUCTS WITH PENTAERYTHRITOL AND TDI 68412-43-1	-	-	-
POLYESTER ACRYLATE OLIGOMER UNKNOWN	-	-	-
Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide 75980-60-8	-	-	-
Pentaerythritol Tetraacrylate 4986-89-4	-	-	-
1,6-Hexanediol diacrylate 13048-33-4	= 5 g/kg (Rat)	= 3600 µL/kg (Rabbit)	-
Benzophenone 119-61-9	> 10 g/kg (Rat)	= 3535 mg/kg (Rabbit)	-
Methyldiethanolamine 105-59-9	= 1900 mg/kg (Rat) = 1945 mg/kg (Rat)	= 5990 mg/kg (Rabbit)	-
Pentaerythritol triacrylate 3524-68-3	= 1830 mg/kg (Rat) = 1350 mg/kg (Rat)	= 4 mL/kg (Rabbit)	-
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
2-Hydroxy-4-n-octoxybenzophenone 1843-05-6	> 5000 mg/kg (Rat)	> 10 g/kg (Rabbit)	-

Numerical measures of toxicity - Product Information

UNKNOWN ACUTE TOXICITY .0001% of the mixture consists of ingredient(s) of unknown toxicity.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chemical Name	ACGIH	IARC	NTP	OSHA
Benzophenone 119-61-9		Group 2B		X

IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Skin corrosion/irritation Causes skin irritation
Serious eye damage/eye irritation Causes serious eye irritation
Skin sensitization May cause an allergic skin reaction
Respiratory sensitization Not applicable
Germ cell mutagenicity Not applicable
Carcinogenicity Suspected of causing cancer
Reproductive Toxicity Suspected of damaging fertility or the unborn child
Specific target organ toxicity (single exposure) May cause respiratory irritation

Specific target organ toxicity (repeated exposure) Not applicable
Aspiration hazard Not applicable

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity
Environmental precautions — Prevent product from entering drains.

Marine pollutant — This material meets the definition of a marine pollutant

Persistence and degradability
No information available

Bioaccumulation
No information available

Mobility
No information available

Other adverse effects — No information available

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues/unused products — Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated packaging — Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

	TDG	IMDG	IATA
UN/ID no	UN3082	UN3082	UN3082
Proper shipping name	Environmentally hazardous substances, liquid, n.o.s Tripropylene glycol diacrylate Benzophenone	Environmentally hazardous substances, liquid, n.o.s Tripropylene glycol diacrylate Benzophenone	Environmentally hazardous substances, liquid, n.o.s Tripropylene glycol diacrylate Benzophenone
Hazard Class	9	9	9
Packing Group	III	III	III
Environmental hazard Yes			
Marine pollutant This material meets the definition of a marine pollutant			
Marine pollutant Tripropylene glycol diacrylate , Benzophenone			
Special Provisions		274, 335 **EmS-No** F-A, S-F	A97, A158, A197
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code		No information available	

The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173.150(f)); Consumer Commodity (49 CFR 173.150(c), ICAO/IATA SP A112); Limited Quantity (49 CFR 173.150(b), ICAO Part 3 Chapter 4, IATA 2.7, IMDG Chapter 3.4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.

Section 15: REGULATORY INFORMATION

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory — All components are listed or exempt from listing

DSL - Canadian Domestic Substances List — All components are listed or exempt from listing

Chemical Name	Canada - NPRI (National Pollutant Release Inventory)
Benzophenone	Part 4 Substance (as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999)
Toluene	Part 1, Group A Substance; Part 5, Individual Substances

Section 16: OTHER INFORMATION

HMIS

Health hazards	2*
* = *Chronic Health Hazard*	
Flammability	1
Physical hazards	1
Personal Protection	X

Supplier Address

Axalta Coating Systems	Axalta Coating Systems
1717 English Rd.	1915 Second St. W.
High Point, NC 27262	Cornwall, Ontario K6H 5R6
336-889-2157	613-932-8960

Prepared By	Product Stewardship
Revision date	15-Sep-2017
Revision Note	No information available

Disclaimer

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End of Safety Data Sheet