

***** SECTION 1 - Product and Company Identification *****

Supplier: Axalta Coating Systems Canada Company
408 Fairall Street
Ajax, ON, L1S 1R6

Manufacturer: Axalta Coating Systems, LLC
1007 Market Street, D-13111
Wilmington, DE, 19898

Telephone: Product Information: (800) 387-2122
Medical Emergency (24 hours): (855) 274-5698
Transportation Emergency (24 hours): (613) 996-6666 (CANUTEC)

PRODUCT IDENTIFIER: Activator for SelectPrime™
is a trademark of Axalta Coating Systems, LLC and all affiliates.

PRODUCT CODE: 483-87 060627

Product Use:
PAINT ADDITIVE

Prepared by: Regulatory Affairs

Chemical Family: Not Available

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Axalta Coating Systems products.

***** SECTION 2 - Composition, Information on Ingredients *****

CAS #	Ingredient	(%)	Exposure Limits**
28182-81-2	ALIPHATIC POLYISOCYANATE- RESIN	30- 60	S 0.5 mg/m3 A None O None
123-86-4	BUTYL ACETATE	1- 5	A 200.0 ppm 15 min STEL A 150.0 ppm O 150.0 ppm
78-93-3	METHYL ETHYL KETONE	0.5- 1.5	A 300.0 ppm 15 min STEL A 200.0 ppm O 200.0 ppm D 300.0 ppm 15 min TWA D 200.0 ppm 8 & 12 hour TWA

***** SECTION 2 - Composition, Information on Ingredients *****
Cont'd

108-88-3	TOLUENE	5- 10	A 20.0 ppm O 300.0 ppm CEIL O 500.0 ppm 10 min TWA O 200.0 ppm D 50.0 ppm 8 & 12 hour TWA Skin
141-78-6	ETHYL ACETATE	15- 40	A 400.0 ppm O 400.0 ppm
100-41-4	ETHYLBENZENE	5- 10	A 20.0 ppm O 100.0 ppm D 25.0 ppm 8 & 12 hour TWA
1330-20-7	XYLENE	15- 40	A 150.0 ppm 15 min STEL A 100.0 ppm O 100.0 ppm D 100.0 ppm 8 & 12 hour TWA
4083-64-1	P-TOLUENESULFONYL ISOCYA- NATE	0.1- 1.0	A None O None

** A = ACGIH, O = OSHA, D = Dupont, TWAEV = Ontario, S = Supplier
D=Dupont Results obtained from E.I. duPont de Nemours and Company
(For additional definition of terms, see section 16)
Limits are 8-hour TWA unless otherwise specified.

***** SECTION 3 - Hazards Information *****

Emergency Overview:

DANGER! EXPOSURE MAY CAUSE LUNG INJURY AND ALLERGIC RESPIRATORY REACTION. EFFECTS MAY BE PERMANENT. FLAMMABLE LIQUID AND VAPOR. VAPORS AND SPRAY MIST HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS DIZZINESS, HEADACHE, OR NAUSEA. MAY CAUSE NOSE, THROAT, EYE AND SKIN IRRITATION. CAN BE ABSORBED THROUGH THE SKIN.

Potential Health Effects:

Inhalation:

Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung

***** SECTION 3 - Hazards Information *****
Cont'd

sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion:

May result in gastrointestinal distress.

Skin or eye contact:

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Other Potential Health Effects in addition to those listed above:

ALIPHATIC POLYISOCYANATE RESIN

Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure.

The following medical conditions may be aggravated by exposure:
asthma skin disorders respiratory disorders

Potential skin sensitizer that may cause allergic reactions and contact dermatitis resulting in severe irritation, dryness, and cracking of the skin.

BUTYL ACETATE

May cause abnormal liver function.

The following medical conditions may be aggravated by exposure:
respiratory system

Tests for embryotoxic activity in animals has been inconclusive. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown.

Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

METHYL ETHYL KETONE

Material is irritating to mucous membranes and upper respiratory tract.

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following:
central nervous system eyes respiratory system skin

Prolonged or repeated overexposure may cause any of the following:

***** SECTION 3 - Hazards Information *****
Cont'd

Conjunctivitis Dermatitis

High concentrations have caused embryotoxic effects in laboratory animals.

Aspiration may occur during swallowing or vomiting, resulting in lung damage.

Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

TOLUENE

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system kidneys liver respiratory system skin

Can be absorbed through the skin in harmful amounts.

Recurrent overexposure may result in liver and kidney injury.

High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans.

Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown.

WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

ETHYL ACETATE

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes respiratory system skin

Tests in laboratory animals have shown effects on any of the following organs/systems: blood kidneys liver

ETHYLBENZENE

Is an IARC, NTP or OSHA carcinogen.

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system kidneys liver lungs

Recurrent overexposure may result in liver and kidney injury.

Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects.

WARNING: This chemical is known to the State of California to cause cancer.

XYLENE

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: bone marrow cardiovascular system central nervous system kidneys liver lungs

Recurrent overexposure may result in liver and kidney injury.

High exposures may produce irregular heart beats.

Canada classifies Xylene as a developmental toxin as high exposures

***** SECTION 3 - Hazards Information *****
Cont'd

to xylenes in some animal studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known.

Repeated or prolonged skin contact may cause: irritation dryness
cracking of the skin

P-TOLUENESULFONYL ISOCYANATE

Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure.

The following medical conditions may be aggravated by exposure:
asthma skin disorders respiratory disorders
Potential skin sensitizer that may cause allergic reactions and contact dermatitis resulting in severe irritation, dryness, and cracking of the skin.

Skin or eye contact may cause any of the following: irritation

***** SECTION 4 - First Aid Measures *****

First Aid Procedures:

Inhalation:

If affected by inhalation of vapor or spray mist, move to fresh air.
If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing difficulty persists, or occurs later, consult a physician.

Ingestion:

In the unlikely event of ingestion, DO NOT induce vomiting. Call a physician immediately and have names of ingredients available.

Skin or eye:

In case of contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash thoroughly with soap and water. If irritation occurs, contact a physician.

***** SECTION 5 - Firefighting Measures *****

Flash Point (Method)	Between -7 to 23 deg C	Closed Cup
Approx. flammable limits	LFL 1.0 % UFL 11.0 %	
Auto ignition temperature	427.0 - 480.0	Deg C

Hazardous Combustion Products:

CO, CO₂, smoke, and oxides of any heavy metals that are reported in "Composition, Information on Ingredients" section.

Extinguishing media:

Universal aqueous film-forming foam, carbon dioxide, dry chemical.

Special fire fighting procedures:

Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to

***** SECTION 5 - Firefighting Measures *****
Cont'd

prevent pressure build-up.

Fire & explosion hazards:

Flammable liquid. Vapor/air mixture will burn when an ignition source is present.

***** SECTION 6 - Accidental Release Measures *****

Procedures for cleaning up spills or leaks:

Ventilate area. Remove sources of ignition. Do not breathe vapors. Do not get in eyes or on skin.

Wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C), eye protection, gloves and protective clothing. Pour liquid decontamination solution over the spill and allow to sit at least 10 minutes. Typical decontamination solutions for isocyanate containing materials are: 20% Surfactant (Tergitol TM 10) and 80% Water OR 0-10% Ammonia, 2-5% Detergent and Water (balance) Confine and remove with inert absorbent. Pressure can be generated. Do not seal waste containers for 48 hours to allow CO2 to vent. After 48 hours, material may be sealed and disposed of properly.

***** SECTION 7 - Handling and Storage *****

Precautions to be taken in handling and storing:

Observe label precautions. Keep away from heat, sparks, flame, static discharge and other sources of ignition. VAPORS MAY CAUSE FLASH FIRE.

Close container after each use. Ground containers when pouring.

Do not transfer contents to bottles or unlabeled containers. Wash thoroughly after handling and before eating or smoking. Do not store above 120 deg F.

OSHA/NFPA Storage Classification: IB

Other precautions:

If material is a coating: do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation, and gloves.

***** SECTION 8 - Exposure Controls or Personal Protection *****

Engineering controls and work practices:

Ventilation:

Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits.

Personal Protective Equipment:

Recommended PPE:

Respiratory:

Do not breathe vapors or mists. Wear a positive-pressure, supplied air respirator (NIOSH approved TC-19C), while mixing activator with paint, during application and until all vapors and spray mists are

***** SECTION 8 - Exposure Controls or Personal Protection *****
Cont'd

exhausted. Follow respirator manufacturer s directions for respirator use. Do not permit anyone without protection in the painting area. Refer to the hardener/activator label instructions for further information. Individuals with history of lung or breathing problems or prior reaction to isocyanates should not use or be exposed to this product if mixed with isocyanate activators/hardeners.

Protective clothing:

Neoprene gloves and coveralls are recommended.

Eye protection:

Desirable in all industrial situations. Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guard or side shields.

***** SECTION 9 - Physical and Chemical Properties *****

Evaporation Rate	Slower than Ether
Vapor Pressure of principal solvent	8.00 hPa @ 25 Deg C
Solubility of solvent in water	NIL
Vapour density (principal solvent)	3.70
Approx. Boiling range (deg C)	77 - 203 DEG (C)
Approx. Freezing range (deg C)	-95 DEG (C)
Gallon weight (lbs/US gal)	8.01
Specific gravity	0.96
Percent volatile by volume	71.74
Percent volatile by weight	65.57
Percent solids by volume	28.26
Percent solids by weight	34.43
Odour	Characteristic Paint Odour
Appearance	semi-viscous liquid
Physical state	Liquid
pH (waterborne systems only)	Not Applicable
VOC* less exempt (g/l)	629.3
VOC* as packaged (g/l)	629.3

* VOC less exempt (theoretical) and VOC as packaged (theoretical) are based upon the VOC of the packaged material at the point of manufacture.

***** SECTION 10 - Stability and Reactivity *****

Stability:

Stable

Incompatibility (materials to avoid):

water, alcohols, amines

Hazardous decomposition products:

CO, CO₂, smoke, and oxides of any heavy metals that are reported in "Composition, Information on Ingredients" section.

***** SECTION 10 - Stability and Reactivity *****
Cont'd

Hazardous polymerization:

Will not occur.

Sensitivity to static discharge:

Solvent vapors in air may explode if static grounding and bonding is not used during transfer of this product.

Sensitivity to mechanical impact: None Known

***** SECTION 11 - Toxicological Information *****

ALIPHATIC POLYISOCYANATE RESIN

Oral LD50	1000 mg/kg		Rat	SUPPLIER MSDS
Dermal LD50	5000 mg/kg		Rabbit	SUPPLIER MSDS
Inhalation LC50	137 mg/m3	4 h	Rat	SUPPLIER MSDS

BUTYL ACETATE

Oral LD50	5000 ml/kg		Rat	SUPPLIER MSDS
Dermal LD50	5000 ml/kg		Rabbit	SUPPLIER MSDS
Inhalation LC50	6335 ppm	4 h	Rat	SUPPLIER MSDS

METHYL ETHYL KETONE

Oral LD50	2193 g/kg		Rat	SUPPLIER MSDS
Dermal LD50	5 g/kg		Rabbit	SUPPLIER MSDS
Inhalation LC50	5000 ppm	6 h	Rat	SUPPLIER MSDS

TOLUENE

Oral LD50	3000 mg/kg		Rat	SUPPLIER MSDS
Dermal LD50	4000 mg/kg		Rabbit	SUPPLIER MSDS
Inhalation LC50	5300 ppm		Mouse	SUPPLIER MSDS

ETHYL ACETATE

Oral LD50	5600 mg/kg		Rat	SUPPLIER MSDS
Dermal LD50	20 ml/kg		Rabbit	SUPPLIER MSDS
Inhalation LC50	29 mg/l	4 h	Rat	SUPPLIER MSDS

ETHYLBENZENE

Oral LD50	3500 mg/kg		Rat	RTECS
Dermal LD50	18 g/kg		Rabbit	RTECS
Inhalation LC50	4000 ppm	4 HR	Rat	Patty's

XYLENE

Oral LD50	4300 mg/kg		Rat	RTECS
Dermal LD50	1700 mg/kg		Rabbit	RTECS
Inhalation LC50	5000 ppm	4 h	Rat	RTECS

P-TOLUENESULFONYL ISOCYANATE

Oral LD50	2600 mg/kg		Rat	SUPPLIER MSDS
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For all other ingredients, no information is available.

***** SECTION 11 - Toxicological Information *****
Cont'd

Key:

RTECHS - Registry of Toxic Effects of Chemical Substances
 CCOHS - Canadian Center for Occupational Health and Safety
 Patty's - Patty's Industrial Hygiene and Toxicology, 3rd Edition

***** SECTION 12 - Ecological Information *****

ALIPHATIC POLYISOCYANATE RESIN

1000 mg/l	3 h		BACTERIA
1000 mg/l	72 h		AQUATIC PLANTS

BUTYL ACETATE

100 mg/l	4 days	Bluegill Sunfish	FISH
18 mg/l	4 days	Fathead Minnow	FISH
73 mg/l	2 days	Daphnia	INVERTEBRATES

METHYL ETHYL KETONE

3220 mg/l			FISH
5091 mg/l	48 h		INVERTEBRATES

TOLUENE

60 ppm	4 days	Bluegill Sunfish	FISH
32 mg/l	4 days	Fathead Minnow	FISH
100 ppm	1 day	Water flea	INVERTEBRATES
60 ppm	4 days	Goldfish	FISH

ETHYL ACETATE

425 mg/l	4 days	Rainbow Trout	FISH
230 mg/l	4 days	Fathead Minnow	FISH
230 mg/l	2 days	Daphnia	AQUATIC PLANTS
270 mg/l	2 days	Golden Orfe	FISH

ETHYLBENZENE

2 mg/l	48 h		INVERTEBRATES
5 mg/l	72 h		AQUATIC PLANTS
4 mg/l	96 h		FISH

XYLENE

22 mg/l	4 days	Bluegill Sunfish	FISH
21 mg/l	4 days	Fathead Minnow	FISH
10 mg/l	1 days	Water flea	INVERTEBRATES
10 mg/l	1 days	Daphnia	INVERTEBRATES
24 mg/l	4 days	Goldfish	FISH

P-TOLUENESULFONYL ISOCYANATE

597 mg/l	96 h	zebra fish	FISH
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***** SECTION 13 - Disposal Considerations *****

Provincial Waste Classification:

Check appropriate provincial and local waste disposal regulations for proper classifications.

Waste disposal method:

Do not allow material to contaminate ground water systems. Incinerate or otherwise dispose of waste material in accordance with Federal, State, Provincial, and local requirements. Use only approved waste management contractors. Do not incinerate in closed containers.

***** SECTION 14 - Transportation Information *****

TDG Shipping Name:

PAINT RELATED MATERIAL

Hazard Class:	3
UN/NA#	1263
Packing Group:	II

***** SECTION 15 - Regulatory Information *****

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

TSCA Status:

In compliance with TSCA Inventory requirements for commercial purposes.

DSL Status:

All components of the mixture are listed on the DSL.

OCI:

All components of the mixture are listed with the Ontario Inventory.

WHMIS Classification:

Class B	Division 2			
Class D	Division 1	Subdivision	A	
Class D	Division 2	Subdivision	A	53
Class D	Division 2	Subdivision	A	54
Class D	Division 2	Subdivision	A	56
Class D	Division 2	Subdivision	B	60
Class D	Division 2	Subdivision	B	61

WHMIS symbols:

Flame
Skull and Crossbones

Photochemical Reactivity: Photochemically reactive

***** SECTION 16 - Additional Information *****
Cont'd

Notice from Axalta Coating Systems

The information on this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Approved by:
Technical Manager