

***** 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
is a registered trademark of Axalta Coating Systems Canada Company.

PRODUCT CODE: 9T00-A 071204

Product Use:
PAINT ADDITIVE
Prepared by: Regulatory Affairs

Chemical Family: Catalyst

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Copies may be made only for those using
Axalta Coating Systems products.

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

CAS #	Ingredient	(%)	Exposure Limits**	
28182-81-2	ALIPHATIC POLYISOCYANATE- RESIN	60-100	S	0.5 mg/m3
			A	None
			O	None
98-56-6	4-CHLOROBENZOTRIFLUORIDE	3- 7	D	20.0 ppm 8 & 12 hour TWA
			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 *****
Cont'd

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 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.

4-CHLOROBENZOTRIFLUORIDE

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

Prolonged or repeated exposure may cause damage to any of th

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

following organs/systems: kidneys liver thyroid
Potential skin sensitizer that may cause allergic reactions and contact dermatitis resulting in severe irritation, dryness, and cracking of the skin.
Ingestion may cause any of the following: gastrointestinal irritation
Eye contact may cause: permanent eye injury
Inhalation may cause: Causes stupor (central nervous system depression). respiratory tract 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 24 to 38 deg C	Closed Cup
Approx. flammable limits	Not Available	
Auto ignition temperature	Not Available	

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 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.

***** SECTION 6 - Accidental Release Measures *****
Cont'd

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: IC

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) during the spray application (or brush or roll application in poorly ventilated areas) of this product. For mixing and for brush and roll application in well-ventilated areas, a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH TC-23C) may be used. Follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area. Individuals with history of lung or breathing problems or prior reaction to isocyanates should not use or be exposed to vapor or spray mist.

Protective clothing:

Neoprene gloves and coveralls are recommended.

Eye protection:

Desirable in all industrial situations. Goggles are preferred to

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

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	7.60 mmHg @ 25 Deg C
Solubility of solvent in water	NIL
Vapour density (principal solvent)	6.24
Approx. Boiling range (deg C)	203 DEG (C)
Approx. Freezing range (deg C)	220 DEG (C)
Gallon weight (lbs/US gal)	9.83
Specific gravity	1.18
Percent volatile by volume	4.41
Percent volatile by weight	5.00
Percent solids by volume	95.59
Percent solids by weight	95.00
Odour	Characteristic Paint Odour
Appearance	semi-viscous liquid
Physical state	Liquid
pH (waterborne systems only)	Not Applicable
VOC* less exempt (g/l)	0.0
VOC* as packaged (g/l)	0.0

* 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.

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

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

Dermal LD50	5000 mg/kg		Rabbit	SUPPLIER MSDS
Inhalation LC50	137 mg/m3	4 h	Rat	SUPPLIER MSDS
4-CHLOROBENZOTRIFLUORIDE				
Oral LD50	6650 mg/kg		Rat	SUPPLIER MSDS
Dermal LD50	2700 mg/kg		Rabbit	SUPPLIER MSDS
Inhalation LC50	4479 ppm	4 HR	Rat	SUPPLIER MSDS

For all other ingredients, no information is available.

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
4-CHLOROBENZOTRIFLUORIDE			
12 mg/l	4 days	Bluegill Sunfish	FISH
14 mg/l	4 days	Rainbow Trout	FISH
1 mg/l	31 days	Fathead Minnow	FISH
4 mg/l	2 days	Daphnia	AQUATIC PLANTS
500 mg/l	3 days	Green Algae	AQUATIC PLANTS

***** 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:	III

***** SECTION 16 - Additional Information *****

HMIS Rating: H: 3 F: 3 R: 1

Glossary of Terms:

- ACGIH - American Conference of Governmental Industrial Hygienists
- IARC - International Agency for Research on Cancer
- NTP - National Toxicology Program
- OSHA - Occupational Safety and Health Administration
- STEL - Short term exposure limit
- TWA - Time-weighted average
- PNOR - Particles not otherwise regulated
- PNOC - Particles not otherwise classified

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