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

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

Manufacturer: Axalta Coating Systems, LLC
2001 Market Street, Suite 3600
Philadelphia, PA, 19103

Telephone: Product Information: (800) 668-6945
Medical Emergency (24 hours): (855) 274-5698
Transportation Emergency (24 hours): (613) 996-6666 (CANUTEC)

PRODUCT IDENTIFIER: 105 Thinner

PRODUCT CODE: 105 130404

Product Use: INDUSTRIAL SOLVENT

Prepared by: Regulatory Affairs

Chemical Family: Solvent

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

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Ingredient</th>
<th>(%)</th>
<th>Exposure Limits**</th>
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<tr>
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<td>0.5-1.5</td>
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<td></td>
<td></td>
<td></td>
<td>A 100.0 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>O None</td>
</tr>
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| 67-64-1    | ACETONE         | 15-40  | A 750.0 ppm             |
|            |                 |        | 15 min STEL             |
|            |                 |        | A 500.0 ppm             |
|            |                 |        | O 1000.0 ppm            |
|            |                 |        | A 500.0 ppm             |
|            |                 |        | 8 & 12 hour TWA         |

| 67-56-1    | METHYL ALCOHOL  | 40-70  | A 250.0 ppm             |
|            |                 |        | 15 min STEL             |
|            |                 |        | Skin                    |
|            |                 |        | A 200.0 ppm             |
|            |                 |        | Skin                    |
|            |                 |        | O 200.0 ppm             |
|            |                 |        | A 200.0 ppm             |
****** SECTION 2 - Composition, Information on Ingredients *****

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<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>Skin Exposure</th>
<th>8 &amp; 12 hour TWA</th>
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<td>108-88-3</td>
<td>TOLUENE</td>
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<td>CEIL</td>
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<tr>
<td></td>
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<td>A 100.0 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>8 &amp; 12 hour TWA</td>
</tr>
</tbody>
</table>

** = 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:
WARNING! 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. MAY BE HARMFUL OR FATAL IF SWALLOWED.

Potential Health Effects:
Inhalation:
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.
.iterator 3 - Hazards Information 

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:

VM&P NAPHTHA 
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 respiratory system skin 
This substance may cause damage to any of the following organs/systems: central nervous system kidneys liver lungs skin and eyes 
Material may be harmful or fatal if swallowed.

ACETONE 
The following medical conditions may be aggravated by exposure: lung disease eye disease skin disorders 
Overexposure may cause damage to any of the following organs/systems: blood central nervous system eyes kidneys liver respiratory system skin

METHYL ALCOHOL 
Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes kidneys liver skin 
Excessive human exposure to methanol may lead to: fatigue, headache, anaesthetic, neurologic effects, and visual difficulties including blindness or death. 
Recurrent overexposure may result in liver and kidney injury. Ingestion may cause any of the following: blindness 
Eye contact may cause: Conjunctivitis mild irritation corneal opacity 
Studies in laboratory animals have shown embryotoxic and developmental effects. 
WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

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 BENZENE**

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 to xlenes 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

---

**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  36.5 %
Auto ignition temperature      385.0 - 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
  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. Prevent skin and eye
  contact and breathing of vapor.

Wear a properly fitted air-purifying respirator with organic vapor
cartridges (NIOSH approved TC-23C), eye protection, gloves and
protective clothing. Confine, remove with inert absorbent, and
dispose 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:
****** SECTION 8 - Exposure Controls or Personal Protection ******
Cont'd

Respiratory:
Do not breathe vapors or mists. Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C) and particulate filter (NIOSH TC-84A) during application and until all vapors and spray mists are exhausted. In confined spaces, or in situations where continuous spray operations are typical, or if proper air-purifying respirator fit is not possible, wear a positive pressure, supplied-air respirator (NIOSH TC-19C). In all cases, follow respirator manufacturer’s directions for respirator use. Do not permit anyone without protection in the painting area.

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: 127.70 hPa @ 21.2 Deg C
Solubility of solvent in water: NIL
Vapour density (principal solvent): 1.10
Approx. Boiling range (deg C): 64 - 142 DEG (C)
Approx. Freezing range (deg C): -97 DEG (C)
Gallon weight (lbs/US gal): 6.78
Specific gravity: 0.81
Percent volatile by volume: 100.00
Percent volatile by weight: 100.00
Percent solids by volume: 0.00
Percent solids by weight: 0.00
Odour: Characteristic Solvent Odour
Appearance: Liquid Thinner
Physical state: Liquid
pH (waterborne systems only): Not Applicable
VOC* less exempt (g/l): 818.3
VOC* as packaged (g/l): 650.0

* 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):
None reasonably foreseeable
****** SECTION 10 - Stability and Reactivity ******
Cont'd

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 ******

VM&P NAPHTHA
Oral LD50 5000 mg/kg Rat SUPPLIER MSDS
Dermal LD50 2000 mg/kg Rabbit SUPPLIER MSDS
Intravenous LD50 40 mg/kg Mouse SUPPLIER MSDS

ACETONE
Oral LD50 5800 mg/kg Rat RTECS
Dermal LD50 20 g/kg Rabbit SUPPLIER MSDS
Inhalation LC50 50 g/m3 8 h Rat RTECS

METHYL ALCOHOL
Oral LD50 5628 mg/kg Rat SUPPLIER MSDS
Dermal LD50 15800 mg/kg Rabbit RTECS
Inhalation LC50 64000 ppm 4 h Rat RTECS

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

For all other ingredients, no information is available.

Key:
RTECS  - 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

<table>
<thead>
<tr>
<th>Compound</th>
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<th>Effect Duration</th>
<th>Species</th>
<th>Life Forms</th>
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<td>5540 mg/l</td>
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<td>Rainbow Trout</td>
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<td>4 days</td>
<td>Fathead Minnow</td>
<td>Fish</td>
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<td>100 ppm</td>
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<td>Water flea</td>
<td>Invertebrates</td>
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<td>Goldfish</td>
<td>Fish</td>
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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:** FLAMMABLE LIQUID, TOXIC N.O.S. (Methanol)
- **Hazard Class:** 3(6.1)
- **UN/NA:** 1992
- **Packing Group:** II
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:

<table>
<thead>
<tr>
<th>Class</th>
<th>Division</th>
<th>Subdivision</th>
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<tr>
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WHMIS symbols:
Flame
Skull and Crossbones

Photochemical Reactivity: Photochemically reactive

Other Regulatory Information:

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<tr>
<th>CAS #</th>
<th>Ingredient</th>
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<th>CERCLA</th>
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<td>A,C,F</td>
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Key:
EPCRA: Emergency Planning and Community Right-to-Know Act
(aka Title III, SARA)

302: Extremely hazardous substances
311/312 Categories: F = Fire Hazard A = Acute Hazard
R = Reactivity Hazard C = Chronic Hazard
P = Pressure Related Hazard

313 Information: Section 313 Supplier Notification - The chemicals
listed above with a 'Y' in the 313 column are
subject to reporting requirements of Section 313
of the Emergency Planning and Community

CERCLA: Comprehensive Emergency Response, Compensation and

HAP = Listed as a Clean Air Act Hazardous Air Pollutant
****** SECTION 15 - Regulatory Information ******
Cont'd

TPQ = Threshold planning quantity
RQ  = Reportable quantity
NA  = not available
NR  = not regulated

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

HMIS Rating: H: 2  F: 3  R: 0
NFPA Rating: H:   F:   R:

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