

***** 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) 668-6945
Medical Emergency (24 hours): (855) 274-5698
Transportation Emergency (24 hours): (613) 996-6666 (CANUTEC)

PRODUCT IDENTIFIER: Wash 'N' Wipe®

PRODUCT CODE: 4105S 080221

Product Use:
INDUSTRIAL SOLVENT

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**
108-88-3	TOLUENE	15- 40	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
64742-48-9	HYDROTREATED HEAVY NAPHTHA (PETROLEUM)	15- 40	A 100.0 ppm O 500.0 ppm D 100.0 ppm
142-82-5	HEPTANE	60-100	A 500.0 ppm 15 min STEL A 400.0 ppm O 500.0 ppm

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

100-41-4	ETHYLBENZENE	0.1- 1.0	A 20.0 ppm O 100.0 ppm D 25.0 ppm 8 & 12 hour TWA
108-87-2	CYCLOHEXANE, METHYL-	1- 5	A 400.0 ppm O 400.0 ppm

** 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:

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.

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.

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:

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.

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

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

HYDROTREATED HEAVY NAPHTHA (PETROLEUM)

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

HEPTANE

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system respiratory system skin
May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness.
Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.
Aspiration may occur during swallowing or vomiting, resulting in lung damage.

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.

***** 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.

***** SECTION 4 - First Aid Measures *****
Cont'd

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 0.5 % UFL 7.1 %
Auto ignition temperature 246.1 - 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:

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 anything 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	51.30 mmHg @ 20 Deg C
Solubility of solvent in water	NIL
Vapour density (principal solvent)	3.40
Approx. Boiling range (deg C)	91 - 210 DEG (C)
Approx. Freezing range (deg C)	-95 DEG (C)
Gallon weight (lbs/US gal)	6.15
Specific gravity	0.74
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)	737.0
VOC* as packaged (g/l)	737.0

* 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

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 *****

TOLUENE

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

HYDROTREATED HEAVY NAPHTHA (PETROLEUM)

Oral LD50	5000 mg/kg	Rat	SUPPLIER MSDS
Dermal LD50	3160 mg/kg	Rabbit	SUPPLIER MSDS

HEPTANE

Oral LD50	5000 mg/kg	Mouse	MISCELLANEOUS
Dermal LD50	2000 mg/kg	Rabbit	SUPPLIER MSDS
Inhalation LC50	103000 mg/m ³	4 h Rat	SAX DANGEROUS PROP
Intravenous LD50	222 mg/kg	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

CYCLOHEXANE, METHYL-

Oral LD50	2250 mg/kg	Rat	SUPPLIER MSDS
Dermal LD50	87 g/kg	Rat	SUPPLIER MSDS

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 *****

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

HYDROTREATED HEAVY NAPHTHA (PETROLEUM)

2200 mg/l	96 h	Fathead Minnow	FISH
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HEPTANE

2990 ppm	1 days	Bluegill Sunfish	FISH
15 ppm	4 days	Rainbow Trout	FISH
10 mg/l	24 h	Daphnia	INVERTEBRATES

ETHYLBENZENE

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

CYCLOHEXANE, METHYL-

6 mg/l	72 h	Daphnia	INVERTEBRATES
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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.

***** SECTION 15 - Regulatory Information *****
Cont'd

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	2	Subdivision	A 54
Class	D	Division	2	Subdivision	B 60

WHMIS symbols:

Flame
Toxic "T"

Photochemical Reactivity: Non-photochemically reactive

Other Regulatory Information:

CAS #	Ingredient	EPCRA			CERCLA		HAP
		302	TPQ/RQ	311/312	313	RQ (lbs)	
108-88-3	TOLUENE	N	NR	A, C, F	Y	1000	Y
64742-48-9	HYDROTREATED HEAVY NAPHTHA (PETROLEUM)	N	NR	F	N	NR	N
142-82-5	HEPTANE	N	NR	A, C, F	N	NR	N
100-41-4	ETHYLBENZENE	N	NR	A, C, F	Y	1000	Y
108-87-2	CYCLOHEXANE, METHYL-	N	NR	NA	N	100	N

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 Right-to-Know act of 1986 and of 40 CFR 372.

CERCLA: Comprehensive Emergency Response, Compensation and Liability Act of 1980.

HAP = Listed as a Clean Air Act Hazardous Air Pollutant

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