

Material Safety Data Sheet

Print Date: 02/15/2006

Revision Date : 02/15/2006

Trade name: **2 Part Clear Coat**

Part number:
3 680 061

Version : 2.0



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 2 Part Clear Coat
MSDS Number : 888100004254
Product Use Description : Solvent-borne coatings, Primers
Company : Peter Kwasny Inc.
510 Broadhollow Road 209
Melville-NY, 11747
Telephone : 001-727-363-3047
Telefax : 001-727-363-0630
Emergency telephone : 001-352-323-3500
number

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Regulatory status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Signal Word : DANGER
Form : aerosol
Odour : characteristic
Odour - Control parameters : no data available
Hazard Summary : May cause fire.
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.

Sensitizer
Flammable Aerosol
Irritant

Potential Health Effects

Eyes : Causes eye irritation.
Skin : May cause skin irritation.
Inhalation : May cause allergic respiratory reaction.
Target Organs : Skin
Eyes
Central nervous system

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Carcinogenicity:

- NTP : naphthalene (CAS-No.: 91-20-3)
- IARC : ethylbenzene (CAS-No.: 100-41-4)
naphthalene (CAS-No.: 91-20-3)
- OSHA : No component of this product which is present at levels greater than or equal to 0.1 % is identified as a carcinogen or potential carcinogen by OSHA.
- CA Prop 65 : WARNING! This product contains a chemical known in the State of California to cause cancer.
ethylbenzene (CAS-No.: 100-41-4)
naphthalene (CAS-No.: 91-20-3)

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight %
dimethyl ether	115-10-6	>= 30 - < 60
acetone; propan-2-one; propanone	67-64-1	>= 10 - < 30
n-butyl acetate	123-86-4	>= 10 - < 30
Hexane, 1,6-diisocyanato-, homopolymer	28182-81-2	>= 5 - < 10
2-butoxyethyl acetate; butylglycol acetate	112-07-2	>= 1 - < 5
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	64742-95-6	>= 1 - < 5
2-methoxy-1-methylethyl acetate	108-65-6	>= 1 - < 5
xylene	1330-20-7	>= 0.1 - < 1
ethylbenzene	100-41-4	>= 0.1 - < 1
mesitylene; 1,3,5-trimethylbenzene	108-67-8	>= 0.1 - < 1
naphthalene	91-20-3	>= 0.1 - < 1

SECTION 4. FIRST AID MEASURES

- General advice : Remove from exposure, lie down. Never give anything by mouth to an unconscious person. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). When symptoms persist or in all cases of doubt seek medical advice. Take off all contaminated

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Inhalation	: clothing immediately. : Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	: Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners.
Eye contact	: Remove contact lenses. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Ingestion	: If a person vomits when lying on his back, place him in the recovery position. Clean mouth with water and drink afterwards plenty of water. Ingest activated charcoal. If swallowed, seek medical advice immediately and show this container or label.

SECTION 5. FIRE-FIGHTING MEASURES

Form	: aerosol
Flash point	: < 0 °C (< 32 °F)
Ignition temperature	: 365 °C (689 °F)
Lower explosion limit	: 1.4 %(V)
Upper explosion limit	: 8.5 %(V)
Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media which must not be used for safety reasons	: high volume water jet
Specific hazards during fire fighting	: Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Do not use a solid water stream as it may scatter and spread fire.
Special protective equipment for fire-fighters	: Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
Further information	: Use water spray to cool unopened containers. Exposure to decomposition products may be a hazard to health.

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Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ventilate the area.
Remove all sources of ignition.
Avoid inhalation of vapour or mist.
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Should not be released into the environment.
Avoid subsoil penetration.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.
- CERCLA Hazardous substances and corresponding RQs : 115-10-6 100 lbs *final RQ*
67-64-1 5,000 lbs *final RQ*
123-86-4 5,000 lbs *final RQ*
1330-20-7 100 lbs *final RQ*
100-41-4 1,000 lbs *final RQ*
91-20-3 100 lbs *final RQ*
103-65-1 100 lbs *final RQ*

SECTION 7. HANDLING AND STORAGE

Handling

- Handling : Do not breathe vapours or spray mist.
Avoid contact with skin and eyes.
Take precautionary measures against static discharges.
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.
Limit the stocks at work place.

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Do not spray on a naked flame or any other incandescent material.

Use only in well-ventilated areas.

For personal protection see section 8.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. Do not smoke. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. Electrical equipment should be protected to the appropriate standard.

Dust explosion class : not applicable

Storage

Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Please observe the storage instructions for aerosols

Advice on common storage : Keep away from food, drink and animal feedingstuffs. Keep away from oxidising agents and strongly acid or alkaline materials.

Storage period : 24 Months

Storage temperature : 5 - 30 °C (41 - 86 °F)

Other data : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Components	CAS-No.	List	Type:	Value
acetone; propan-2-one; propanone	67-64-1	ACGIH	TWA	500 ppm
		ACGIH	STEL	750 ppm
		NIOSH	REL	250 ppm 590 mg/m3
		OSHA Z1	PEL	1,000 ppm 2,400 mg/m3

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		OSHA Z1A	TWA	750 ppm	1,800 mg/m3
		OSHA Z1A	STEL	1,000 ppm	2,400 mg/m3
		US CA OEL	TWA PEL	750 ppm	1,780 mg/m3
		US CA OEL	Ceiling	3,000 ppm	
		US CA OEL	STEL	1,000 ppm	2,400 mg/m3
n-butyl acetate	123-86-4	ACGIH	TWA	150 ppm	
		ACGIH	STEL	200 ppm	
		NIOSH	REL	150 ppm	710 mg/m3
		NIOSH	STEL	200 ppm	950 mg/m3
		OSHA Z1	PEL	150 ppm	710 mg/m3
		OSHA Z1A	TWA	150 ppm	710 mg/m3
		OSHA Z1A	STEL	200 ppm	950 mg/m3
		US CA OEL	TWA PEL	150 ppm	710 mg/m3
		US CA OEL	STEL	200 ppm	950 mg/m3
2-butoxyethyl acetate; butylglycol acetate	112-07-2	ACGIH	TWA	20 ppm	
		NIOSH	REL	5 ppm	33 mg/m3
xylene	1330-20-7	ACGIH	TWA	100 ppm	
		ACGIH	STEL	150 ppm	
		OSHA Z1	PEL	100 ppm	435 mg/m3
		OSHA Z1A	TWA	100 ppm	435 mg/m3
		OSHA Z1A	STEL	150 ppm	655 mg/m3
		US CA OEL	TWA PEL	100 ppm	435 mg/m3
		US CA OEL	Ceiling	300 ppm	
		US CA OEL	STEL	150 ppm	655 mg/m3
ethylbenzene	100-41-4	ACGIH	TWA	100 ppm	
		ACGIH	STEL	125 ppm	
		NIOSH	REL	100 ppm	435 mg/m3
		NIOSH	STEL	125 ppm	545 mg/m3
		OSHA Z1	PEL	100 ppm	435 mg/m3
		OSHA Z1A	TWA	100 ppm	435 mg/m3
		OSHA Z1A	STEL	125 ppm	545 mg/m3
		US CA OEL	TWA PEL	100 ppm	435 mg/m3
		US CA OEL	STEL	125 ppm	545 mg/m3
mesitylene; 1,3,5-trimethylbenzene	108-67-8	ACGIH	TWA	25 ppm	
		NIOSH	REL	25 ppm	125 mg/m3
naphthalene	91-20-3	ACGIH	TWA	10 ppm	
		ACGIH	STEL	15 ppm	
		NIOSH	REL	10 ppm	50 mg/m3
		NIOSH	STEL	15 ppm	75 mg/m3
		OSHA Z1	PEL	10 ppm	50 mg/m3
		OSHA Z1A	TWA	10 ppm	50 mg/m3
		OSHA Z1A	STEL	15 ppm	75 mg/m3
		US CA OEL	TWA PEL	10 ppm	50 mg/m3
		US CA OEL	STEL	15 ppm	75 mg/m3

Engineering measures : Provide adequate ventilation.

Eye protection : safety glasses

Hand protection : Choose gloves to protect hands against chemicals depending

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on the concentration and quantity of the hazardous substance and specific to place of work.

For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

- Skin and body protection : impervious clothing
- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.
respirator with ABEK filter
- Hygiene measures : Do not inhale aerosol.
When using, do not eat, drink or smoke.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.
Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : aerosol
- Odour : characteristic
- Flash point : < 0 °C (< 32 °F)
- Ignition temperature : 365 °C (689 °F)
- Thermal decomposition : Heating can release hazardous gases., Fire or intense heat may cause violent rupture of packages.
- Lower explosion limit : 1.4 %(V)
- Upper explosion limit : 8.5 %(V)
- Vapour pressure : 3.6 hPa
at 20 °C (68 °F)
- Density : 0.85 g/cm³
at ca.20 °C (68 °F)

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VOC : 79.08 %

SECTION 10. STABILITY AND REACTIVITY

- Conditions to avoid : Heat, flames and sparks.
- Materials to avoid : strong acids and strong bases
oxidizing agents
- Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.
- Thermal decomposition : Heating can release hazardous gases. Fire or intense heat may cause violent rupture of packages.
- Hazardous reactions : Vapours may form explosive mixture with air.
Note: No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

- Skin irritation : Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin.
- Eye irritation : The liquid splashed in the eyes may cause irritation and reversible damage.
Strong lachrymation can make it difficult to escape
- Carcinogenicity : No data is available on the product itself.
- Toxicity to reproduction : No data is available on the product itself.
- Teratogenicity : No data is available on the product itself.
- Further information : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Liver and kidney injuries may occur.
Even the smallest quantities that enter into the lung due to swallowing or subsequent vomiting can lead to a pulmonary oedema or pneumonia.

Component:

acetone; propan-2-one; propanone 67-64-1

Acute oral toxicity: LD50 rat

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Dose: 5,800 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: 20,000 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: 70 mg/l
Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.
Result: Mild skin irritation
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin.
Eye irritation: Classification: Irritating to eyes.
Result: Moderate eye irritation

n-butyl acetate 123-86-4

Acute oral toxicity: LD50 rat
Dose: 13,100 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: > 14,100 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: 21 mg/l
Exposure time: 4 h

Skin irritation: Result: Mild skin irritation

Eye irritation: Result: Mild eye irritation

Hexane, 1,6-diisocyanato-, homopolymer 28182-81-2

Acute oral toxicity: LD50 rat
Dose: > 10,000 mg/kg

Acute inhalation toxicity: LD50 rat
Dose: 137 - 1,150 mg/m³
Exposure time: 4 h
Isocyanates may cause acute irritation and/or sensitisation of the respiratory system leading to tightness of the chest, wheeziness and an asthmatic condition.
Sensitization: Causes sensitization.

2-butoxyethyl acetate; butylglycol acetate 112-07-2

Acute oral toxicity: LD50 rat
Dose: 2,400 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: 1,500 mg/kg

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified 64742-95-6

Acute oral toxicity: LD50 rat
Dose: 6,800 mg/kg

Acute dermal toxicity: LD50 rat

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		Dose: > 3,400 mg/kg
		<u>Acute inhalation toxicity</u> : LC50 rat Dose: > 10.2 mg/l Exposure time: 4 h
		<u>Skin irritation</u> : Result: Irritating to skin.
2-methoxy-1-methylethyl acetate	108-65-6	<u>Acute oral toxicity</u> : LD50 mouse Dose: 8,532 mg/kg
		<u>Acute dermal toxicity</u> : LD50 rabbit Dose: 7,500 mg/kg
		<u>Eye irritation</u> : Classification: Irritating to eyes. Result: Mild eye irritation
xylene	1330-20-7	<u>Acute oral toxicity</u> : LD50 rat Dose: 2,840 mg/kg
		<u>Acute dermal toxicity</u> : LD50 rabbit Dose: ca. 4,500 mg/kg
		<u>Acute inhalation toxicity</u> : LC50 rat Dose: 6,350 mg/l Exposure time: 4 h
		<u>Skin irritation</u> : Classification: Irritating to skin. Result: Mild skin irritation Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
		<u>Eye irritation</u> : Classification: Irritating to eyes. Result: Mild eye irritation
ethylbenzene	100-41-4	<u>Acute oral toxicity</u> : LD50 rat Dose: 3,500 mg/kg
		<u>Acute dermal toxicity</u> : LD50 rabbit Dose: 15,500 mg/kg
		<u>Acute inhalation toxicity</u> : LC50 rat Dose: 18 mg/l Exposure time: 4 h
		<u>Skin irritation</u> : Classification: Irritating to skin. Result: Mild skin irritation
		<u>Eye irritation</u> : Classification: Irritating to eyes. Result: Risk of serious damage to eyes.
mesitylene; 1,3,5-trimethylbenzene	108-67-8	<u>Acute inhalation toxicity</u> : LC50 rat Dose: 24 mg/l Exposure time: 4 h

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Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

naphthalene

91-20-3

Acute oral toxicity: LD50 rat
Dose: > 2,000 mg/kg

Acute dermal toxicity: LD50 rat
Dose: > 2,500 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: > 100 mg/l
Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.
Result: Mild skin irritation

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

Carcinogenicity: Animal experiments showed a statistically significant number of tumours.

SECTION 12. ECOLOGICAL INFORMATION

Adsorbed organic bound halogens (AOX) : not included

Volatile organic compounds (VOC) content : 79.08 %

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

Component:

mesitylene; 1,3,5-trimethylbenzene

108-67-8

Acute and prolonged toxicity for aquatic invertebrates:
EC50
Species: Daphnia magna (Water flea)
Dose: 50 mg/l
Exposure time: 24 h

Toxicity to algae:
EC50
Species: scenedesmus subspicatus
Dose: 25 - 53 mg/l
Exposure time: 48 h

naphthalene

91-20-3

Toxicity to algae:
EC50
Species:
Dose: 33 mg/l

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Exposure time: 24 h

SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations.
Please ensure aerosol cans are sprayed completely empty
(including propellant)
Containers that have not been emptied in compliance with
regulations are regarded as hazardous waste.

SECTION 14. TRANSPORT INFORMATION

DOT 49 CFR

Proper shipping name : AEROSOLS
UN-No : 1950
Class : 2.1
Packing group :
Emergency Response : 126
Guidebook Number

TDGR

Proper shipping name : AEROSOLS
UN-No : 1950
Class : 2.1
Packing group :
Emergency Response : 126
Guidebook Number

ICAO / IATA-DGR

UN UN-No : 1950
Description of the goods : AEROSOLS
Class : 2.1
ICAO-Labels : 2.1
Packing instruction (cargo
aircraft) : 203
Packing instruction
(passenger aircraft) : 203
Packing instruction
(passenger aircraft) : Y203

IMDG-Code

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UN-No : UN 1950
Description of the goods : AEROSOLS
Class : 2.1
IMO-Labels : 2.1
EmS Number : F-D S-U
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Flammable Aerosol

Respiratory sensitizer
Moderate skin irritant
Severe eye irritant
Possible carcinogen.

TSCA Status : On TSCA Inventory

DSL Status : All components of this product are on the Canadian DSL list.

SARA 313 Components : 2-butoxyethyl acetate; butylglycol acetate 112-07-2
ethylbenzene 100-41-4

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard
Fire Hazard

SARA III US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

<u>Components</u>	<u>CAS-No.</u>
2-butoxyethyl acetate; butylglycol acetate	112-07-2
ethylbenzene	100-41-4

PENN RTK US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

<u>Components</u>	<u>CAS-No.</u>
2-butoxyethyl acetate; butylglycol acetate	112-07-2
Hexane, 1,6-diisocyanato-, homopolymer	28182-81-2
n-butyl acetate	123-86-4
acetone; propan-2-one; propanone	67-64-1
dimethyl ether	115-10-6

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MASS RTK US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

<u>Components</u>	<u>CAS-No.</u>
dimethyl ether	115-10-6
acetone; propan-2-one; propanone	67-64-1
n-butyl acetate	123-86-4

NJ RTK US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

<u>Components</u>	<u>CAS-No.</u>
2-butoxyethyl acetate; butylglycol acetate	112-07-2
Hexane, 1,6-diisocyanato-, homopolymer	28182-81-2
n-butyl acetate	123-86-4
acetone; propan-2-one; propanone	67-64-1
dimethyl ether	115-10-6

California Prop. 65 : WARNING! This product contains a chemical known in the State of California to cause cancer.

ethylbenzene 100-41-4
naphthalene 91-20-3

SECTION 16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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