

Material Safety Data Sheet

Print Date: 10/22/2009

Revision Date : 10/22/2009

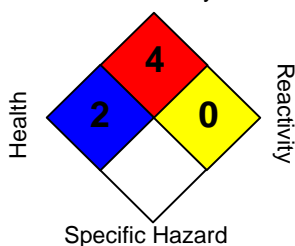
Trade name: **PLASTIC ADHESION PROMOTOR**

Part number:
3 680 009

Version : 4.0



NFPA: Flammability



HMIS III:

HEALTH	2
FLAMMABILITY	4
PHYSICAL	0

0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PLASTIC ADHESION PROMOTOR
MSDS Number : 88810004241
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

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 : Flammable aerosol
Irritant
May cause fire.
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C / 122 °F.
Possible cancer hazard - may cause cancer

Potential Health Effects

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Skin : May cause skin irritation.
Eyes : May cause eye irritation.
Inhalation : Causes respiratory tract irritation.
Target Organs : Eyes
Skin
Respiratory system

Carcinogenicity:

ACGIH : ethylbenzene (CAS-No.: 100-41-4)
NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
IARC : ethylbenzene (CAS-No.: 100-41-4)
OSHA : No component of this product 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.
: WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight percent
dimethyl ether	115-10-6	>= 55 - < 60
xylene	1330-20-7	>= 15 - < 20
n-butyl acetate	123-86-4	>= 15 - < 20
ethylbenzene	100-41-4	>= 3 - < 5
toluene	108-88-3	>= 0.1 - < 0.2

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SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area. 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 clothing immediately.
- Inhalation : 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.
- Ingestion : If a person vomits when lying on his back, place him in the recovery position. If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

SECTION 5. FIRE-FIGHTING MEASURES

- Form : aerosol
- Flash point : Note: not determined
- Ignition temperature : 235 °C (455 °F)
- Lower explosion limit : 1.1 %(V)
- Upper explosion limit : 18.6 %(V)
- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Extinguishing media which shall 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 section 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

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necessary.

Further information : Use water spray to cool unopened containers.
Exposure to decomposition products may be a hazard to health.
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 : 1330-20-7 100 lbs *final RQ*
123-86-4 5,000 lbs *final RQ*
100-41-4 1,000 lbs *final RQ*
108-88-3 1,000 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

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occupational exposure limits.
Limit the stocks at work place.
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 / 122 °F. 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.

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components	CAS-No.	List	Type:	Value	Update
dimethyl ether	115-10-6	US WEEL	TWA	1,000 ppm	2008-01-01
xylene	1330-20-7	ACGIH	TWA	100 ppm	2007-01-01
		ACGIH	STEL	150 ppm	2007-01-01
		OSHA P1	TWA	100 ppm 435 mg/m3	1997-08-04
		OSHA P0	TWA	100 ppm 435 mg/m3	1989-01-19
		OSHA P0	STEL	150 ppm 655	1989-01-19

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				mg/m3	
n-butyl acetate	123-86-4	ACGIH	TWA	150 ppm	2007-01-01
		ACGIH	STEL	200 ppm	2007-01-01
		OSHA P0	TWA	150 ppm 710 mg/m3	1989-01-19
		OSHA P0	STEL	200 ppm 950 mg/m3	1989-01-19
		OSHA P1	TWA	150 ppm 710 mg/m3	1997-08-04
ethylbenzene	100-41-4	ACGIH	TWA	100 ppm	2007-01-01
		ACGIH	STEL	125 ppm	2007-01-01
		OSHA P0	TWA	100 ppm 435 mg/m3	1989-01-19
		OSHA P0	STEL	125 ppm 545 mg/m3	1989-01-19
		OSHA P1	TWA	100 ppm 435 mg/m3	1997-08-04
toluene	108-88-3	ACGIH	TWA	20 ppm	2008-01-01
		OSHA P0	TWA	100 ppm 375 mg/m3	1989-01-19
		OSHA P0	STEL	150 ppm 560 mg/m3	1989-01-19
		OSHA Z2	TWA	200 ppm	1997-08-04
		OSHA Z2	CEIL	300 ppm	1997-08-04
		OSHA Z2	Peak	500 ppm	1997-08-04

- Engineering measures : Provide adequate ventilation.
- Eye protection : Safety glasses
- Hand protection : Choose gloves to protect hands against chemicals depending 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.
- 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.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: aerosol
Odour	: characteristic
Flash point	: Note: not determined
Ignition temperature	: 235 °C (455 °F)
Thermal decomposition	: Heating can release hazardous gases., Fire or intense heat may cause violent rupture of packages.
Lower explosion limit	: 1.1 %(V)
Upper explosion limit	: 18.6 %(V)
Vapour pressure	: 3,400 hPa at 20 °C (68 °F)
Density	: not determined
Water solubility	: slightly soluble
Volatile organic compounds (VOC) content	: 97.64 %

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 (CO ₂), 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.

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SECTION 11. TOXICOLOGICAL INFORMATION

- Acute inhalation toxicity : Irritating to respiratory system.
- Skin irritation : Repeated or prolonged contact with the mixture 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.
Reproductive toxicity : 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:

- | | | |
|----------------|-----------|---|
| dimethyl ether | 115-10-6 | <u>Acute inhalation toxicity</u> : LC50 rat
Dose: 309 mg/l
Exposure time: 4 h

<u>Acute inhalation toxicity</u> : LC50 rat
Exposure time: 4 h |
| 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. |

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

ethylbenzene 100-41-4

Acute oral toxicity: LD50 rat
Dose: 3,500 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: 15,500 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: 18 mg/l
Exposure time: 4 h

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

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

toluene 108-88-3

Acute oral toxicity: LD50 rat
Dose: > 5,000 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: 12,124 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: 49 mg/l
Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.
Result: Mild skin irritation
Prolonged skin contact may defat the skin and produce dermatitis.

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

Teratogenicity: Damage to fetus cannot be excluded.

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SECTION 12. ECOLOGICAL INFORMATION

Adsorbed organic bound halogens (AOX) : not included
Volatile organic compounds (VOC) content : 97.64 %
Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

Component:

n-butyl acetate	123-86-4	<u>Acute and prolonged toxicity for aquatic invertebrates:</u> EC50 Species: Daphnia magna (Water flea) Dose: 72.8 mg/l Exposure time: 24 h <u>Toxicity to bacteria:</u> EC50 Species: Pseudomonas putida Dose: 959 mg/l Exposure time: 18 h
ethylbenzene	100-41-4	<u>Toxicity to fish:</u> LC50 Species: Carassius auratus (goldfish) Dose: 94.44 mg/l Exposure time: 96 h <u>Acute and prolonged toxicity for aquatic invertebrates:</u> LC50 Species: Daphnia magna (Water flea) Dose: 77 mg/l Exposure time: 24 h <u>Toxicity to algae:</u> EC50 Species: Chlorella vulgaris (Fresh water algae) Dose: 63 mg/l Exposure time: 3 h
toluene	108-88-3	<u>Toxicity to fish:</u> LC50 Species: Carassius auratus (goldfish) Dose: 13 mg/l Exposure time: 96 h <u>Acute and prolonged toxicity for aquatic invertebrates:</u> EC50 Species: Daphnia magna (Water flea)

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Dose: 11.5 mg/l
Exposure time: 48 h

Toxicity to algae:
IC50
Species: Pseudokirchneriella subcapitata (green algae)
Dose: 12 mg/l
Exposure time: 72 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
ID No : UN 1950
Class : 2.1
Packing group :
Labels : 2.1
Emergency Response : 126
Guidebook Number

TDGR

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

ICAO / IATA-DGR

ID No : UN 1950
Description of the goods : Aerosols, flammable
Class : 2.1
ICAO-Labels : 2.1
Packing instruction (cargo) : 203

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aircraft)
Packing instruction : 203
(passenger aircraft)
Packing instruction : Y203
(passenger aircraft)

IMDG-Code

ID No : UN 1950
Description of the goods : AEROSOLS
Class : 2.1
IMDG-Labels : 2.1
EmS Number 1 : F-D
EmS Number 2 : S-U

Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Flammable aerosol

Moderate respiratory irritant
Moderate skin irritant
Moderate eye irritant
Possible carcinogen.

TSCA Status : On TSCA Inventory

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

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

CERCLA Reportable Quantity : 500 lbs

EPCRA_313 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>
xylene	1330-20-7
ethylbenzene	100-41-4

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EPCRA 302 US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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

Components	CAS-No.
n-butyl acetate	123-86-4
xylene	1330-20-7
ethylbenzene	100-41-4
dimethyl ether	115-10-6
aluminium powder (stabilised)	7429-90-5

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

Components	CAS-No.
n-butyl acetate	123-86-4
xylene	1330-20-7
ethylbenzene	100-41-4
dimethyl ether	115-10-6

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

Components	CAS-No.
n-butyl acetate	123-86-4
xylene	1330-20-7
ethylbenzene	100-41-4
toluene	108-88-3
dimethyl ether	115-10-6

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

WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

SECTION 16. OTHER INFORMATION

Further information

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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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