

# Material Safety Data Sheet

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name A-525-12 PLASTIC ADHESION PROMOTOR  
Product Use Description Solvent-borne coatings, primers  
Company PRO-SPRAY  
An Alco Industries Company  
600 Nova Drive SE  
Massillon, Ohio  
Phone 44646  
Fax 330-830-6000  
For Chemical 330-830-6005  
Emergency CHEMTREC: 1-800-424-9300  
CANUTEC: 1-613-996-6666 (For Canada Call Collect)

## 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 : Irritant  
Flammable Aerosol May cause cancer.  
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C / 122 °F.  
May cause fire.

### Potential Health Effects

Eyes : Causes eye irritation.  
Skin : May cause skin irritation.  
Inhalation : Causes respiratory tract irritation.  
Chronic Exposure : Repeated absorption may result in bladder tumors.  
Target Organs : Skin  
Eyes  
Central nervous 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.  
ethylbenzene (CAS-No.: 100-41-4)

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight %
xylene	1330-20-7	>= 25 - < 35
n-butyl acetate	123-86-4	>= 25 - < 35
butane	106-97-8	>= 15 - < 20
propane	74-98-6	>= 10 - < 12.5
ethylbenzene	100-41-4	>= 7 - < 10
Vinyl acetal polymers, butyrals	63148-65-2	>= 1 - < 1.5

### 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. 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. 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 <i>final RQ</i>
	123-86-4	5,000 lbs <i>final RQ</i>
	106-97-8	100 lbs <i>final RQ</i>
	74-98-6	100 lbs <i>final RQ</i>
	100-41-4	1,000 lbs <i>final RQ</i>

## 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. 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 feeding stuffs. 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
xylene	1330-20-7	ACGIH	TWA	100 ppm
ACGIH			STEL	150 ppm
OSHA Z1 mg/m3			PEL	100 ppm 435
OSHA Z1A mg/m3			TWA	100 ppm 435
OSHA Z1A mg/m3			STEL	150 ppm 655
US CA OEL mg/m3			TWA PEL	100 ppm 435
US CA OEL			Ceiling	300 ppm
US CA OEL mg/m3			STEL	150 ppm 655
n-butyl acetate	123-86-4	ACGIH	TWA	150 ppm
ACGIH			STEL	200 ppm
NIOSH mg/m3			REL	150 ppm 710

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
butane	106-97-8	NIOSH	REL	800 ppm	1,900 mg/m3
OSHA Z1A			TWA	800 ppm	1,900 mg/m3
US CA OEL			TWA PEL	800 ppm	1,900 mg/m3
propane	74-98-6	ACGIH	TWA	1,000 ppm	
NIOSH			REL	1,000 ppm	1,800 mg/m3
OSHA Z1			PEL	1,000 ppm	1,800 mg/m3
OSHA Z1A			TWA	1,000 ppm	1,800 mg/m3
US CA OEL			TWA PEL	1,000 ppm	1,800 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

- 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.  
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/cm <sup>3</sup> at ca.20 °C (68 °F)
Volatile organic compounds (VOC) content	: 96.03 %

## 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 <sub>2</sub> ), carbon monoxide (CO), oxides of nitrogen (NO <sub>x</sub> ), 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

Acute inhalation toxicity	:	Irritating to respiratory system.
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:

xylene	1330-20-7	Acute oral toxicity: LD50 rat Dose: 2,840 mg/kg  Acute dermal toxicity: LD50 rabbit Dose: ca. 4,500 mg/kg  Acute inhalation toxicity: LC50 rat Dose: 6,350 mg/l Exposure time: 4 h  Skin irritation: 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. 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

		<p>Acute inhalation toxicity: LC50 rat Dose: 21 mg/l Exposure time: 4 h</p> <p>Skin irritation: Result: Mild</p> <p>skin irritation</p> <p>Eye irritation: Result: Mild</p> <p>eye irritation</p> <p>Skin irritation: Classification: Irritating to skin. Result: Skin irritation</p> <p>Eye irritation: Classification: Irritating to eyes. Result: Mild eye irritation</p>
propane	74-98-6	
ethylbenzene	100-41-4	<p>Acute oral toxicity: LD50 rat Dose: 3,500 mg/kg</p> <p>Acute dermal toxicity: LD50 rabbit Dose: 15,500 mg/kg</p> <p>Acute inhalation toxicity: LC50 rat Dose: 18 mg/l Exposure time: 4 h</p> <p>Skin irritation: Classification: Irritating to skin. Result: Mild skin irritation</p> <p>Eye irritation: Classification: Irritating to eyes. Result: Risk of serious damage to eyes.</p>
Vinyl acetal polymers, butyrals	63148-65-2	<p>Skin irritation: Classification: Irritating to skin. Result: Skin irritation</p> <p>Eye irritation: Classification: Irritating to eyes. Result: Eye irritation</p>

**SECTION 12. ECOLOGICAL INFORMATION**

Adsorbed organic bound halogens (AOX)	not included
Volatile organic compounds (VOC) content	96.03 %
Additional ecological information	The product should not be allowed to enter drains, water courses or the soil.

## 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

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

**SECTION 15. REGULATORY INFORMATION**

**OSHA Hazards** : Flammable Aerosol  
  
Moderate  
respiratory irritant  
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 311/312 Hazards** : Fire Hazard  
Acute Health Hazard  
Chronic Health Hazard

**CERCLA Reportable Quantity** : 288 lbs

**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

Components	CAS-No.
xylene	1330-20-7
ethylbenzene	100-41-4
Alkanes, chloro	61788-76-9

**SARA III** US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR355, 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.
ethylbenzene	100-41-4
propane	74-98-6
butane	106-97-8
n-butyl acetate	123-86-4
xylene	1330-20-7

**MASS RTK**

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

Components	CAS-No.
ethylbenzene	100-41-4
propane	74-98-6
butane	106-97-8
n-butyl acetate	123-86-4
xylene	1330-20-7

**NJ RTK**

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

Components	CAS-No.
ethylbenzene	100-41-4
propane	74-98-6
butane	106-97-8
n-butyl acetate	123-86-4
xylene	1330-20-7

**California Prop. 65**

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

ethylbenzene 100-41-4

**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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