

# MSDS

## SECTION 1 – Chemical Product and Company Identification

U S CHEMICAL & PLASTICS  
An Alco Industries Company  
600 Nova Drive SE  
Massillon, OH 44646  
PH 330-830-6000 - FAX 330-830-6005

For Chemical Emergency:  
CHEMTREC: 1-800-424-9300

**PRODUCT NAME:** Defender Pro Truckbed Liner VOC COMPLIANT- Part A  
**PRODUCT CODE:** (992501), 1800-2, 1810-4  
**SYNONYM/CROSS REFERENCE:** Part A of Two-Part Paint  
**SCHEDULE B NUMBER:** 3208.20.0000

## SECTION 2 – Hazard Identification

OVEREXPOSURE EFFECTS:

ACUTE EFFECTS:

**EYES:** Contact with eyes can cause irritation, redness, tearing, blurred vision, and/or swelling.

**SKIN:** Contact with skin can cause irritation, (minor itching, burning and/or redness), dermatitis, defatting may be readily absorbed through the skin.

**INHALATION:** Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal. May be toxic.

**INGESTION:** Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

PRIMARY ROUTES OF EXPOSURE: Inhalation, skin, eyes

## SECTION 3 – Composition, Information or Ingredients

<u>INGREDIENTS</u>	<u>WGT%</u>	<u>CAS #</u>
Epoxy Resin	40-50%	25036-25-3
Amorphous Fumed Silica	5-10%	112945-52-5
Nonyl Phenol (reactive diluents)	1-5%	84852-15-3
Benzyl Alcohol	10-20%	100-51-6
Carbon Black	1-3%	1333-86-4
Kevlar Aramid Polymer	0-3%	26125-61-1
Methyl Acetate	25-35%	79-20-9
N-methyl-2-pyrrolidone	1-3%	872-50-4

## SECTION 4 – First Aid Measures

**INHALATION:** If inhaled, remove victim from exposure to a well-ventilated area. Make them comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

**SKIN:** For skin contact, wash promptly with soap and excess water.

**EYES:** For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician.

**INGESTION:** If ingested, do not induce vomiting. Give victim a glass of water. Call a physician immediately.

# MSDS

## **SECTION 5 – Fire-Fighting Measures**

**FIRE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam

**SPECIAL FIRE FIGHTING PROCEDURES:** Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighter should wear OSHA/NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** Closed containers exposed to high temperatures, such as fire conditions may rupture.

## **SECTION 6 – Accidental Release Measures**

**SPILLS, LEAK OR RELEASE:** Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

## **SECTION 7 – Handling and Storage**

**STORAGE AND HANDLING:** Use with adequate ventilation. Harmful or fatal if swallowed. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis, and oxidizers.

## **SECTION 8 – Exposure Controls and Personal Protection**

<b><u>INGREDIENTS</u></b>	<b><u>CAS #</u></b>	<b><u>TLV/PEL</u></b>
Epoxy Resin	25036-25-3	N/E
Amorphous Fumed Silica	112945-52-5	TLV: 2 mg/m <sup>3</sup>
Nonyl Phenol (reactive diluents)	84852-15-3	N/E
Benzyl Alcohol	100-51-6	N/E
Carbon Black	1333-86-4	TLV/PEL 3.5 mg/m <sup>3</sup>
Kevlar Aramid Polymer	26125-61-1	N/E
Methyl Acetate	79-20-9	TWA 200 ppm Ceiling 250 ppm
N-methyl-2-pyrrolidone	872-50-4	TLV/TWA 20 ppm

**RESPIRATORY PROTECTION:** If component exposure limits are exceeded, use NIOSH/MSHA approved air purifying or fresh air supplied respirator to remove vapors. Use an air-supplied respirator if necessary.

**VENTILATION:** Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. Explosion-proof ventilation may be necessary.

**PROTECTIVE GLOVES:** To prevent prolonged exposure use rubber gloves; solvents may be absorbed through the skin.

**EYE PROTECTION:** Safety Glasses or goggles with splash guards or side shields.

**OTHER PROTECTIVE EQUIPMENT:** Wear protective clothing as required to prevent skin contact.

# MSDS

## **SECTION 9 – Physical and Chemical Properties**

FLASH POINT: 9°F/ -13°C Seta Flash Closed cup  
LOWER FLAMMABLE LIMIT %: N/E  
UPPER FLAMMABLE LIMIT %: N/E  
APPEARANCE: Black liquid  
SPECIFIC GRAVITY: 1.06  
VAPOR PRESSURE (mmHG): N/E  
BOILING POINT: N/E  
VAPOR DENSITY: Heavier than air  
EVAPORATION RATE (Ethyl Ether = 1): Slower than Ethyl Ether  
VOLATILES BY WEIGHT: Approximately 48%  
SOLUBILITY IN WATER: Slight  
VOC (less water & exempts): As Packaged: 293 grams/liter; 2.44 lbs/gal  
When blended 1:1 with Part B Activator : 273 grams/liter; 2.28 lbs/gal

## **SECTION 10 – Stability and Reactivity**

STABILITY: Stable  
CONDITIONS TO AVOID: Open flames, sparks, heat, electrical and static discharge.  
INCOMPATIBILITY MATERIALS TO AVOID: Strong acids, alkalis, oxidizers.  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide, Carbon, Nitrogen Oxides, Hydrogen Cyanide (Gas), Ammonia, Aldehydes, and Hydrocarbons.  
HAZARDOUS POLYMERIZATION: Will not occur.

## **SECTION 11 – Toxicological Information**

### **CHRONIC EFFECTS:**

Overexposure to this material has apparently been known to cause the following effects in lab animals: Anemia, liver abnormalities, kidney, eye, and central nervous system damage.

CARCINOGEN: YES  NO

TERATOGEN: YES  NO

MUTAGEN: YES  NO

### **CARBON BLACK STATEMENT**

Carbon Black has been shown to cause cancer in laboratory animals, but there is insufficient evidence in humans for its carcinogenicity.

## **SECTION 12 – Ecological Information**

N/E

## **SECTION 13 – Disposal Considerations**

WASTE DISPOSAL: Dispose of in accordance with local, state, and federal regulations.

# MSDS

## **SECTION 14 – Transport Information**

As shipped together with Part B Activator:

### **For Ground Transport: In USA**

Consumer Commodity ORM-D or Limited Quantity in cases with inner containers 1 gallon or less.

### **For Air Transport:**

Must be re-boxed to UN specified packaging.

UN1263, Paint, 3, PG II

Packing Instruction 353, 364

### **For Ocean Transport:**

With inner containers of 5L or less:

UN1263, Paint, 3, PG II, F/P 7C

EMS # F-E, S-E

In limited quantity

## **SECTION 15 – Regulatory Information**

CALIFORNIA PROPOSITION 65:

This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

### **SECTION 313 SUPPLIER NOTIFICATION:**

This product contains the following toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CHEMICAL NAME</u>	<u>CAS</u>	<u>% BY WGT</u>
N-methyl-2-pyrrolidone	872-50-4	1-3%

This information must be included in all MSDS that are copied and distributed for this chemical.

DO NOT FLAME CUT, WELD OR MELT EMPTY CONTAINERS.

## **SECTION 16 – Other Information**

HMIS RATING:	Health	1	4 = Extreme
	Fire	3	3 = High
	Reactivity	0	2 = Moderate
			1 = Slight
			0 = Insignificant

Personal Protection - See Section VIII

# MSDS

## ABBREVIATIONS

IARC	= International Agency for Research on Cancer
ACGIH	= American Conference of Governmental Industrial Hygienists
NIOSH	= National Institute of Occupational Safety and Health
TLV	= Threshold Limit Value
PEL	= Permissible Emission Level
DOT	= Department of Transportation
NTP	= National Toxicology Program
N/AV	= Not Available
N/AP	= Not Applicable
N/E	= Not Established
N/D	= Not Determined

PREPARED BY: U S CHEMICAL & PLASTICS  
An Alco Industries Company  
600 NOVA DRIVE SE  
MASSILLON, OH 44646

TELEPHONE NBR: 330-830-6000  
FAX NBR: 330-830-6005

DATE REVIEWED: October 25, 2011  
DATE REVISED: September 27, 2011  
REVISION: n/a

The information in the Material Safety Data Sheet has been compiled from our experience and from data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the Company to make sure that the MSDS is the latest one issued.

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For Chemical Emergency:  
CHEMTREC: 1-800-424-9300

**PRODUCT NAME:** Defender Pro Truck Bed Liner Activator Part B  
**PRODUCT CODE:** (997510), 1820-8  
**SYNONYM/CROSS REFERENCE:** Part B of Two-Part Paint  
**SCHEDULE B NUMBER:** 3208.20.0000

## SECTION 2 – Hazard Identification

OVEREXPOSURE EFFECTS:

ACUTE EFFECTS:

**EYES:** Severe irritant. Contact with eyes can cause irritation, redness, tearing, blurred vision, and/or swelling.

**SKIN:** Severe irritant. Contact with skin can cause irritation, (minor itching, burning and/or redness), dermatitis, defatting may be readily absorbed through the skin.

**INHALATION:** Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal. May be toxic.

**INGESTION:** Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

PRIMARY ROUTES OF EXPOSURE: Inhalation, skin, eyes

## SECTION 3 – Composition, Information or Ingredients

<u>INGREDIENTS</u>	<u>WGT%</u>	<u>CAS #</u>
Xylene	5-15%	1330-20-7
Polyamide Resin	20-35%	68410-23-1
Ethyl benzene	1-5%	100-41-4
Triethylene Tetramine (TETA)	0-3%	112-24-3
Tertiary Amine	1-5%	52338-87-1
Amorphous Silica	1-5%	112945-52-5
Methyl Acetate	40-50%	79-20-9

## SECTION 4 – First Aid Measures

**INHALATION:** If inhaled, remove victim from exposure to a well-ventilated area. Make them comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

**SKIN:** For skin contact, wash promptly with soap and excess water. Consult a physician if irritation persists.

**EYES:** For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician.

**INGESTION:** If ingested, do not induce vomiting. Give victim a glass of water. Call a physician immediately.

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## **SECTION 5 – Fire-Fighting Measures**

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**UNUSUAL FIRE AND EXPLOSION HAZARD:** Closed containers exposed to high temperatures, such as fire conditions may rupture.

## **SECTION 6 – Accidental Release Measures**

**SPILLS, LEAK OR RELEASE:** Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

## **SECTION 7 – Handling and Storage**

**STORAGE AND HANDLING:** Use with adequate ventilation. Harmful or fatal if swallowed. Avoid contact with eyes and skin. Avoid breathing vapors. Flammable. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis, and oxidizers.

## **SECTION 8 – Exposure Controls and Personal Protection**

<b><u>INGREDIENTS</u></b>	<b><u>CAS #</u></b>	<b><u>TLV/PEL</u></b>
Xylene	1330-20-7	TLV: 100 ppm, STEL: 150 ppm
Polyamide Resin	68410-23-1	N/E Corrosive to skin
Ethyl benzene	100-41-4	TLV:PEL: 100 ppm
Triethylene Tetramine (TETA)	112-24-3	AIHA (WEEL): 1 ppm
Tertiary Amine	52338-87-1	N/E
Amorphous Silica	112945-52-5	TWA: 0.8 mg/m <sup>3</sup>
Methyl Acetate	79-20-9	TWA: 200 ppm ceiling 250 ppm

**RESPIRATORY PROTECTION:** If component exposure limits are exceeded, use NIOSH/MSHA approved air purifying or fresh air supplied respirator to remove vapors. Use an air-supplied respirator if necessary.

**VENTILATION:** Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. Explosion-proof ventilation may be necessary.

**PROTECTIVE GLOVES:** To prevent prolonged exposure use rubber gloves; solvents may be absorbed through the skin.

**EYE PROTECTION:** Safety Glasses or goggles with splash guards or side shields.

**OTHER PROTECTIVE EQUIPMENT:** Wear protective clothing as required to prevent skin contact.

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## **SECTION 9 – Physical and Chemical Properties**

FLASH POINT: 9°F/-13°C Seta Flash Closed cup  
LOWER FLAMMABLE LIMIT %: N/E  
UPPER FLAMMABLE LIMIT %: N/E  
APPEARANCE: Amber liquid, solvent odor  
SPECIFIC GRAVITY: 0.97  
VAPOR PRESSURE (mmHG): N/E  
BOILING POINT: N/E  
VAPOR DENSITY: Heavier than air  
EVAPORATION RATE (Ethyl Ether = 1): Slower than Ethyl Ether  
VOLATILES BY WEIGHT: Approximately 60%  
SOLUBILITY IN WATER: Slight  
VOC (less water & exempts): 248 g/l; 2.07 lbs/gal as packaged  
As mixed with Resin – Part A: 273 g/l; 2.28 lbs/gal

## **SECTION 10 – Stability and Reactivity**

STABILITY: Stable  
CONDITIONS TO AVOID: Open flames, sparks, heat, electrical and static discharge.  
INCOMPATIBILITY MATERIALS TO AVOID: Strong acids, alkalis, oxidizers.  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide, and Carbon.  
HAZARDOUS POLYMERIZATION: Will not occur.

## **SECTION 11 – Toxicological Information**

### **CHRONIC EFFECTS:**

Overexposure to this material has apparently been known to cause the following effects in lab animals: Anemia, liver abnormalities, kidney, eye, skin, lungs, blood, sensitization, reproductive effects, and central nervous system damage.

CARCINOGEN: YES \_\_\_ NO X  
TERATOGEN: YES \_\_\_ NO X  
MUTAGEN: YES \_\_\_ NO X

## **SECTION 12 – Ecological Information**

N/E

## **SECTION 13 – Disposal Considerations**

WASTE DISPOSAL: Dispose of in accordance with local, state, and federal regulations.

## **SECTION 14 – Transport Information**

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Personal Protection - See Section VIII

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## ABBREVIATIONS

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PEL	= Permissible Emission Level
DOT	= Department of Transportation
NTP	= National Toxicology Program
N/AV	= Not Available
N/AP	= Not Applicable
N/E	= Not Established
N/D	= Not Determined

### PREPARED BY:

U S CHEMICAL & PLASTICS  
An Alco Industries Company  
600 NOVA DRIVE SE  
MASSILLON, OH 44646

TELEPHONE NBR: 330-830-6000  
FAX NBR: 330-830-6005

DATE REVIEWED: September 27, 2011  
DATE REVISED: NEW  
REVISION: n/a

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