SAFETY DATA SHEET

This SDS complies with 29 CFR 1910.1200 (OSHA Hazard Communication Standard) and Canadian WHMIS Regulations.

IMPORTANT: Read this SDS before handling and disposing of this product.
Pass this information on to employees, customers and users of this product.

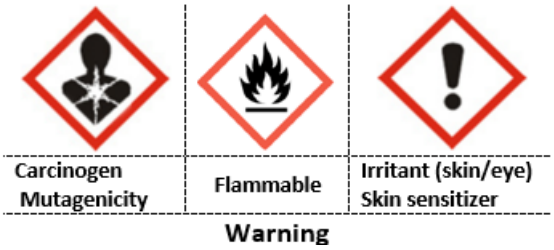
1. IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND OF THE COMPANY/UNDERTAKING

Product Identity: #80/1170 VOC PRIMER

Intended Use: Primer for waterproofing applications

HMIS Hazard Ratings

Health	2[i]
Fire	4
Reactivity	0



Manufacturer: Protecto Wrap Company
1955 South Cherokee Street
Denver, CO 80223
Telephone: (303) 777-3001
Fax: (303) 777-9273
Internet: www.protectowrap.com

Emergency Phone: **CHEMTREC: (800) 424-9300**

New Zealand Supplier Marshall Innovations
41 Hotuhotu Street
Tauriko 3110
Tauranga
Telephone: (07) 543 0948
Fax: (07) 541 1029
Internet: www.mwnz.com

SDS Date of Preparation: **09/2013**
Prepared by: Protecto Wrap Company, 1955 S Cherokee St., Denver, CO 80223 (800) 759-9727

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a black, viscous liquid with a solvent odor. Liquid and vapors are flammable. May cause eye and skin irritation. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects such as headache, dizziness, drowsiness, nausea and unconsciousness. Prolonged and/or repeated overexposure may cause liver, kidney, and nervous system damage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component	CAS No.	Amount	Exposure Limit
Xylene	1330-20-7	15-40%	100 ppm PEL-TWA 100 ppm TLV-TWA 150 ppm TLV-STEL
Acetone	67-64-1	10-30%	1000 ppm PEL-TWA 500 ppm TLV-TWA

Asphalt (petroleum; bitumen)	8052-42-4	30-60%	750 ppm TLV-STEL 0.5 mg/m3 TLV-TWA

Non-Hazardous Components >1%: Resins and Polymers 10-30%

4. FIRST AID MEASURES

EYE: First check the victim for contact lenses and remove if present. Flush victim's eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention if irritation persists.
SKIN: Remove contaminated clothing. Wash skin thoroughly with soap and water. If rash or irritation develops, get medical attention. Launder clothing before re-use. (Discard contaminated shoes)
INGESTION: If conscious, rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. DO NOT INDUCE VOMITING unless advised by a physician. Get immediate medical attention.
INHALATION: Immediately remove victim to fresh air. If breathing is difficult have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Get immediate medical attention**.**

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use carbon dioxide, universal foam, dry chemical or water fog. Do not use water stream. Use water to cool exposed containers and structures.
UNUSUAL FIRE OR EXPLOSION HAZARDS: This product is flammable and forms explosive mixtures with air. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Closed containers may explode if exposed to extreme heat.
SPECIAL FIRE-FIGHTING INSTRUCTIONS: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Do not allow run-off from fire fighting to enter drains or water courses.
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and nitrogen, acrolein, ketones, benzaldehydes and aldehydes.
EXPLOSION DATA (sensitivity to mechanical impact or static discharge): Flammable vapors may be ignited by static spark. Electrically bond and ground containers for product transfer.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area with explosion proof equipment. Wear appropriate protective clothing as described in Section 8. Contain and collect using inert absorbent materials and place in appropriate containers for disposal. Report releases as required by local, state and federal authorities.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with the eyes, skin and clothing. Avoid breathing vapors. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep product away from heat, sparks, flames and all other sources of ignition. Do not permit smoking in use or

storage areas. Use with non-sparking tools and explosion proof equipment. Electrically bond and ground containers for transfer.

Do not cut, drill, grind or weld on or near containers, even empty containers. Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

STORAGE: Store in accordance with regulations for the storage of flammable liquids. Do not store above 49°C (120°F). Store in a dry, well ventilated area away from heat, direct sunlight and all sources of ignition. Store away from oxidizers and acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Xylene	100 ppm TWA OSHA PEL 100 TWA ACGIH TLV; 150 ppm STEL
Acetone	1000 ppm TWA OSHA PEL 500 ppm TWA ACGIH TLV; 750 ppm STEL
Asphalt	0.5 TWA ACGIH (inhalable) (as benzene –soluble aerosol

ENGINEERING CONTROLS: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits. Use explosion proof equipment.
RESPIRATORY PROTECTION: If the exposure limits are exceeded an approved respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 or other applicable regulations and good industrial hygiene practice.
SKIN PROTECTION: Wear impervious gloves such as teflon.
EYE PROTECTION: Safety goggles and/or face shield should be worn where contact is possible. Do not wear contact lenses.
OTHER: Impervious clothing as needed to prevent contact. A safety shower and eye wash should be available in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Black, viscous liquid with solvent odor. The odor threshold for xylene is reported to be 1 ppm. The odor threshold for acetone is reported to be 62 ppm.
PHYSICAL STATE: Liquid
BOILING POINT: 56.5°C (133°F) (acetone)
VAPOR PRESSURE: 180 mm Hg @ 25^{o}C (acetone)
VAPOR DENSITY: 3.6 (xylene)
EVAPORATION RATE: 11.6 (acetone) (n-butyl acetate=1)
SOLUBILITY IN WATER: Partially soluble
BULK DENSITY: 7.67 lbs/gal
pH: Not applicable
MELTING POINT: Not applicable
OCTANOL/WATER COEFFICIENT: No data available
VOC CONTENT: 318 g/liter

FLASH POINT: <41 F (5^{o} C) PMCC
FLAMMABLE LIMITS: LEL: 1.1% (xylene) **UEL**: 12.8% (acetone)
AUTOIGNITION TEMPERATURE: Not available

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal storage and handling conditions.
INCOMPATIBILITY: Strong acids and oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen, acrolein, ketones, benzaldehydes, aldehydes and other organic compounds.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

INGESTION: Ingestion may cause mucous membrane and gastrointestinal irritation and nervous system depression with symptoms of headache, dizziness, nausea, narcosis and unconsciousness. Aspiration into the lungs during ingestion or vomiting may cause serious lung damage which may be fatal.
INHALATION: Inhalation of vapors may cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness, nausea, vomiting, disorientation, stupor and unconscious. Severe overexposures may cause respiration depression and death. Hydrogen sulfide will evolve from asphalt and collect in the headspace of containers. Hydrogen sulfide is irritating to the eyes and respiratory tract at low concentrations. High concentrations of hydrogen sulfide can cause respiratory arrest and death.
EYE: Contact may cause irritation.
SKIN: Repeated or prolonged contact may cause irritation, drying and defatting. The liquid may be absorbed through the skin causing effects similar to those described under inhalation and ingestion.
SENSITIZATION: This product is not expected to cause sensitization.
CHRONIC/CARCINOGENICITY: Prolonged overexposure may cause cardiac sensitization, effects on hearing and damage to the nervous system, blood system, liver and kidneys. Xylene has been found to cause adverse reproductive effects and/or birth defects in studies with laboratory animals. No ingredient in this product present at greater than 0.1% is listed as a carcinogen by NTP, IARC, or OSHA.
MUTAGENICITY: Xylene and acetone have tested positive for mutagenicity in some test systems.
SYNERGISTIC PRODUCTS: None specifically known. Products containing chemicals that effect the same target organ systems would be expected to have synergistic effects; for example other solvent containing products.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Employees with pre-existing skin, liver and kidney disease may be at increased risk from exposure.

ACUTE TOXICITY VALUES:

Xylene: Oral Rat LD50 - 4300 mg/kg
Inhalation Rat LC50 - 5000 ppm/4 hr
Acetone: Oral Rat LD50 - 5800 mg/kg
Inhalation Rat LC50 - 50,100 mg/m3
Asphalt: Oral Rat LD50 - >5.0 g/kg
Skin Rabbit LD50 - > 2.0 g/kg

12. ECOLOGICAL INFORMATION

Xylene: 96 hr LC50 fathead minnow 42 mg/l/
Acetone: 96 hr LC50 fathead minnow 6,210 mg/L; 24 hr LC50 daphnia magna 10 mg/L
Asphalt: No data available

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal environmental regulations.

14. TRANSPORT INFORMATION

DOT HAZARDOUS MATERIALS DESCRIPTION:
Proper Shipping Name: Paint Related Material (Contains Acetone and Xylene)
UN Number: UN1263
Hazard Class/Packing Group: 3, PG II
Labels Required: Flammable Liquid
Note: If >250 pounds of this product in a single container, RQ requirements apply.

15. REGULATORY INFORMATION

HSNO CLASSIFICATION: 3.1B

CERCLA/SUPERFUND: This product has a Reportable Quantity (RQ) of 250 lbs. based on the RQ for Xylene of 100 lbs. Releases above the RQ must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA HAZARD CATEGORY (311/312): Acute Health, Chronic Health, Fire Hazard.

SARA 313 INFORMATION: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):

Xylene	1330-20-7	15-40%

EPA TSCA INVENTORY: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CALIFORNIA PROPOSITION 65
This product contains the following chemicals known to the State of California to cause cancer: Benzene <0.1%
This product contains the following chemicals known to the State of California to cause developmental toxicity (birth defects): Toluene <0.5%, Benzene <0.1%
This product contains the following chemicals known to the State of California to cause male reproductive toxicity: Benzene <0.1%

CANADA:
This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

CANADIAN WHMIS CLASSIFICATION: Class B Division 2 (Flammable Liquid); Class D Division 2 Subdivision A (Very Toxic Material Causing other Toxic Effects)

16. OTHER INFORMATION

NFPA RATING: Health = 2 Fire = 3 Reactivity = 0
HMIS RATING: Health = 2*[ii] Fire = 3 Reactivity = 0

REVISION SUMMARY: Section 3: Emergency Overview
Section 4: Eye, Skin and Inhalation First Aid Treatment
Section 7: Handling and Storage
Section 8: Skin Protection
Section 15: California Proposition 65

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control and therefore, users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.
This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.

[i] See Section 11 – Toxicological Information
[ii] See Section 11 – Toxicological Information