Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
PVC Weathered Membrane Cleaner

Chemical Family
Cleaning solution

Product Use
PVC (Polyvinyl chloride) Membrane

Restrictions on Use
None known

Manufacturer Information
Weatherbond
P.O. Box 215
Plainfield, PA 17081 USA
Phone: +1-866-471-5125
Emergency Phone #: +1-800-424-9300 (Chemtrec)

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
Flammable Liquids - Category 2
Serious Eye Damage/Eye Irritation - Category 2A
Specific Target Organ Toxicity - Single Exposure - Category 3

GHS Label Elements

Symbol(s)

Image of GHS symbols

Signal Word
Danger

Hazard Statement(s)
Highly flammable liquid and vapor
Causes serious eye irritation
May cause respiratory irritation. May cause drowsiness or dizziness
Precautionary Statement(s)

Prevention
Keep container tightly closed
Keep away from heat/sparks/open flame/hot surfaces - No smoking
Ground/Bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting equipment
Take precautionary measures against static discharge
Use only non-sparking tools
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapours/spray
Wash thoroughly after handling

Response
In case of fire: Use appropriate media to extinguish
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy
to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with
water/shower

Storage
Store in a well-ventilated place. Keep container tightly closed
Keep cool
Store locked up

Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations

Other Hazards
Repeated exposure may cause skin dryness or cracking.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1</td>
<td>Acetone</td>
<td>60-100</td>
</tr>
</tbody>
</table>

Section 4 - FIRST AID MEASURES

Inhalation
Safety Data Sheet

Material Name: PVC Weathered Membrane Cleaner

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Skin
Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Take off contaminated clothing and wash before reuse. Get medical attention if irritation develops.

Eyes
Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion
If swallowed, get medical attention. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically and supportively.

Most Important Symptoms/Effects
Acute
Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

Delayed
No information on significant adverse effects.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media
Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray.

Unsuitable Extinguishing Media
Do not use high-pressure water streams.

Special Hazards Arising from the Chemical
Highly flammable liquid and vapor. Vapors are heavier than air and may flashback.

Hazardous Combustion Products
carbon monoxide, carbon dioxide, oxides of nitrogen

Advice for firefighters
Water may be ineffective. Use water spray to cool fire fire-exposed containers.

Fire Fighting Measures
Move container from fire area if it can be done without risk. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with water spray until well after the fire is out. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. ALWAYS stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn.
Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up
Eliminate all sources of ignition. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements, or confined areas. Stop leak if possible without personal risk. Vapor-suppressing foam may be used to control vapors. Absorb with earth, sand or other non-combustible material and transfer to container. Use non-sparking tools and equipment. Dike for later disposal. Dispose in accordance with all applicable regulations.

Environmental Precautions
Avoid release to the environment. Collect spillage.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling
Keep container tightly closed. Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Since emptied containers retain material residue, follow safe handling/label warnings even after container is emptied. Use non-sparking tools. Ground any equipment used in handling.

Conditions for Safe Storage, Including any Incompatibilities
Store in a well-ventilated place. Keep container tightly closed
Keep cool
Store locked up
Keep away from sources of ignition. Keep separated from incompatible substances.

Incompatible Materials
Strong acids, bases, oxidizing agents
Component Exposure Limits

<table>
<thead>
<tr>
<th>Component</th>
<th>Panel 67-64-1</th>
<th>Panel 500 ppm STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH:</td>
<td>250 ppm TWA</td>
<td>500 ppm STEL</td>
</tr>
<tr>
<td>NIOSH:</td>
<td>250 ppm TWA; 590 mg/m3 TWA</td>
<td>2500 ppm IDLH (10% LEL)</td>
</tr>
<tr>
<td>Europe:</td>
<td>500 ppm TWA; 1210 mg/m3 TWA</td>
<td></td>
</tr>
<tr>
<td>OSHA (US):</td>
<td>1000 ppm TWA; 2400 mg/m3 TWA</td>
<td></td>
</tr>
<tr>
<td>Mexico:</td>
<td>1000 ppm TWA LMPE-PPT; 2400 mg/m3 TWA LMPE-PPT</td>
<td>1260 ppm STEL [LMPE-CT]; 3000 mg/m3 STEL [LMPE-CT]</td>
</tr>
</tbody>
</table>

Biological limit value
There are no biological limit values for any of this product's components.

Engineering Controls
Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection
Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection
Wear appropriate chemical resistant clothing.

Respiratory Protection
A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Glove Recommendations
Wear appropriate chemical resistant gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Colorless liquid</th>
<th>Physical State</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>sweet,pungent</td>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
<td>pH</td>
<td>Not available</td>
</tr>
</tbody>
</table>
Safety Data Sheet

Material Name: PVC Weathered Membrane Cleaner  Product #:308352

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point</td>
<td>-94 °C(-137.2°F)</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>56 °C(132.8°F)</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point Range</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition</td>
<td>465 °C(869°F)</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>2.5</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>12.8</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>2</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Density</td>
<td>0.79</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>6.3</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>-20 °C(-4°F)</td>
</tr>
<tr>
<td>Decomposition</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>180 mmHg</td>
</tr>
<tr>
<td>Specific Gravity (water=1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Not available</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>58.08</td>
</tr>
</tbody>
</table>

Section 10 - STABILITY AND REACTIVITY

Reactivity
No reactivity hazard is expected.

Chemical Stability
Stable under normal conditions of use.

Possibility of Hazardous Reactions
Will not polymerize.

Conditions to Avoid
Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Incompatible Materials
Strong acids, bases, oxidizing agents

Hazardous decomposition products
Oxides of carbon

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure
Inhalation
May cause respiratory irritation. May cause drowsiness or dizziness.

Skin Contact
May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause allergic skin reaction.

Eye Contact
Causes serious eye irritation.

Ingestion
May cause gastrointestinal irritation, nausea, vomiting, and diarrhea. May present an aspiration hazard. May be fatal if swallowed and enters airways.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50
The components of this material have been reviewed in various sources and the following selected endpoints are published:
Acetone (67-64-1)
  Oral LD50 Rat 5800 mg/kg
  Inhalation LC50 Rat 50100 mg/m3 8 h

Product Toxicity Data

Product Analysis LD/LC 50 Toxicity Values

<table>
<thead>
<tr>
<th></th>
<th>Rat 5800 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50:</td>
<td></td>
</tr>
<tr>
<td>Dermal LD50:</td>
<td>Guinea pig &gt;7246 mg/kg</td>
</tr>
<tr>
<td>Inhalation LC50:</td>
<td>Rat 32000 ppm 4 hr</td>
</tr>
</tbody>
</table>

Immediate Effects
Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

Delayed Effects
No information on significant adverse effects.

Irritation/Corrosivity Data
Causes serious eye irritation.

Respiratory Sensitization
No information available for the product.

Dermal Sensitization
No information available for the product.

Component Carcinogenicity

<table>
<thead>
<tr>
<th>Component</th>
<th>%40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
</tr>
</tbody>
</table>

ACGIH: A4 - Not Classifiable as a Human Carcinogen

Germ Cell Mutagenicity
No information available for the product.
Tumorigenic Data
No data available

Reproductive Toxicity
No information available for the product.

Specific Target Organ Toxicity - Single Exposure
Respiratory tract

Specific Target Organ Toxicity - Repeated Exposure
No target organs identified.

Aspiration hazard
May present an aspiration hazard. May be fatal if swallowed and enters airways.

Medical Conditions Aggravated by Exposure
Liver and/or kidney disorders

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Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

<table>
<thead>
<tr>
<th>Acetone</th>
<th>67-64-1</th>
</tr>
</thead>
</table>

Fish:
LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L;
LC50 96 h Pimephales promelas 6210 - 8120 mg/L [static];
LC50 96 h Lepomis macrochirus 8300 mg/L

Invertebrate:
EC50 48 h Daphnia magna 10294 - 17704 mg/L [static] EPA;
EC50 48 h Daphnia magna 12600 - 12700 mg/L IUCLID

---

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose of contents/container in accordance with local/regional/national/international regulations.

Component Waste Numbers

<table>
<thead>
<tr>
<th>Acetone</th>
<th>67-64-1</th>
</tr>
</thead>
</table>

RCRA: waste number U002 (Ignitable waste)

---

Section 14 - TRANSPORT INFORMATION
Safety Data Sheet

Material Name: PVC Weathered Membrane Cleaner

US DOT Information:
Shipping Name: Acetone
Hazard Class: 3
UN/NA #: UN1090
Packing Group: II
Required Label(s): 3
Additional information: Special provisions IB2, T4, TP1

IATA Information:
Shipping Name: Acetone
Hazard Class: 3
UN#: UN1090
Packing Group: II
Required Label(s): 3

TDG Information:
Shipping Name: Acetone
Hazard Class: 3
UN#: UN1090
Packing Group: II
Required Label(s): 3

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations
This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CERCLA:</td>
<td>5000 lb final RQ; 2270 kg final RQ</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SARA Section 311/312 (40 CFR 370 Subparts B and C)
Acute Health: Yes Chronic Health: No Fire: Yes Pressure: No Reactivity: No

U.S. State Regulations
The following components appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Not listed under California Proposition 65

Canadian WHMIS Ingredient Disclosure List (IDL)
Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL.

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>1</td>
</tr>
</tbody>
</table>

**Component Analysis - Inventory**

Acetone (67-64-1)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>DSL</td>
<td>EIN</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

---

**Section 16 - OTHER INFORMATION**

**HMIS Rating**

Health: 1 Fire: 3 Reactivity: 0  
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

**NFPA Ratings**

Health: 1 Fire: 3 Reactivity: 0  
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**Summary of Changes**

Nes SDS: 5/11/2015

**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™
Safety Data Sheet

Material Name: PVC Weathered Membrane Cleaner

Product #: 308352

- ChemADVISOR’s Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information

Disclaimer:
The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.