

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** AM-3529 DURAPRO PVC MEMBRANE ADHESIVE / AM-3529 DURAPRO ADHESIF MEMBRANE PVC

**Other means of identification**

**Product Code(s)** YAM3529-D  
**Alternate Product Code(s)** AM3529-378, AM3529-189M  
**UN-No** 1133  
**Product Type** Adhesive.

**Recommended use of the chemical and restrictions on use**

**Recommended Use** For industrial use only.  
**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier Address**

Dural  
 550 Marshall Ave.  
 Dorval, PQ  
 Canada  
 H9P 1C9

**Company Phone Number**

800-361-2340

**Emergency telephone number**

**Emergency Telephone Number** CANUTEC 613-996-6666

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**WHMIS Statement**

Classification complies with Canadian Hazardous Products Regulations (WHMIS 2015).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

**Label elements**

**Emergency Overview**

**Signal Word** Danger

**Hazard Statements**

Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Highly flammable liquid and vapor.

**Appearance** Straw-colored**Physical State** Liquid**Odor** Ketones**Precautionary Statements - Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating / lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep cool.

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention. Specific treatment (see Section 4 on this SDS).

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 skin irritation occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish.

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

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

**Hazards not otherwise classified (HNOC)**

Vapors may be irritating to eyes, nose, throat, and lungs. STATIC ACCUMULATING FLAMMABLE LIQUID CAN BECOME ELECTROSTATICALLY CHARGED EVEN IN BONDED AND GROUNDED EQUIPMENT. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Other Information**

Unknown acute toxicity

21.954 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Components	CAS No.	Weight-%	Trade Secret
Acetone	67-64-1	30 - 60	*
Toluene	108-88-3	10 - 30	*
Zinc oxide (ZnO)	1314-13-2	0.1 - 1.0	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of first aid measures****Eye Contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Immediate medical attention is required. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
<b>Notes to Physician</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Dry chemical or CO<sub>2</sub>, Foam, Use water spray or fog; do not use straight streams

### **Unsuitable Extinguishing Media**

Do not use a solid water stream as it may scatter and spread fire.

### **Specific Hazards Arising from the Chemical**

Flammable. Do not allow run-off from fire-fighting to enter drains or water courses. Vapor explosion hazard indoors, outdoors or in sewers. Sealed containers may rupture when heated. Keep product and empty container away from heat and sources of ignition. Vapors may form explosive mixtures with air. May be ignited by heat, sparks or flames.

### **Explosion Data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** May be ignited by friction, heat, sparks or flames. This liquid may accumulate static electricity when filling properly grounded containers. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Ensure adequate ventilation. Use personal protection equipment. Avoid dust formation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

### **Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

### **Methods and material for containment and cleaning up**

**Methods for Cleaning Up** Pick up and transfer to properly labeled containers. Prevent environmental discharge consistent with regulatory requirements. Disposal should be in accordance with applicable regional, national and local laws and regulations. Take precautionary measures against static discharges. Dike to collect large liquid spills. Take up with inert, damp, noncombustible material using clean non-sparking tools and place into loosely plastic containers for later disposal.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

**Handling** Use personal protection equipment. Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). In case of insufficient ventilation, wear suitable respiratory equipment. Avoid breathing vapors or mists. Not to be used by pregnant workers and workers who have recently given birth or who are breastfeeding.

### **Conditions for safe storage, including any incompatibilities**

**Storage**

Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store near combustible materials. Store in a cool, dry, well ventilated area, away from heat and ignition sources. Use explosion-proof ventilation to prevent vapor accumulation. Prevent electrostatic charge buildup by using common bonding and grounding techniques. Store at ambient temperature. Store in accordance with good industrial practices.

**Incompatible Products**

Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

This product, as supplied, contains the following materials with occupational exposure limits established by the region specific regulatory bodies.

Components	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA - WEEL
Acetone 67-64-1	BEI: 25 mg/L urine TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>	-
Toluene 108-88-3	BEI: 0.02 mg/L blood BEI: 0.03 mg/L urine BEI: 0.3 mg/g creatinine urine TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m <sup>3</sup> Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>	-
Zinc oxide (ZnO) 1314-13-2	TWA: 2 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 15 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 10 mg/m <sup>3</sup> (vacated) STEL: 10 mg/m <sup>3</sup>	IDLH: 500 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	-

**Appropriate engineering controls****Engineering Measures**

Ensure adequate ventilation, especially in confined areas. Use process enclosure, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Electrical and mechanical equipment should be explosion proof. Firewater monitors and deluge systems are recommended. Showers. Eyewash stations.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Avoid contact with eyes. Eye protection.

**Skin and Body Protection**

Wear fire/flammable resistant/retardant clothing. Wear protective gloves/protective clothing. Antistatic boots.

**Respiratory Protection**

Use only with adequate ventilation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved organic vapour respiratory protection should be worn.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

**Physical State**  
**Appearance**  
**Color**

Liquid  
Straw-colored  
No information available

**Odor**  
**Odor Threshold**

Ketones  
No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Specific test data for the substance or mixture is not available	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling Point / Boiling Range</b>	55 °C	
<b>Flash Point</b>	-20 °C / -4 °F	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper Explosive Limits</b>	70 g/m <sup>3</sup>	
<b>Lower Explosive Limits</b>	30 g/m <sup>3</sup>	
<b>Vapor pressure</b>	Negligible	
<b>Vapor Density</b>	Specific test data for the substance or mixture is not available	
<b>Specific Gravity</b>	0.84	at 25 °C
<b>Water Solubility</b>	Immiscible in water	
<b>Solubility in other solvents</b>	Specific test data for the substance or mixture is not available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition Temperature</b>		
<b>Decomposition Temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	1300 cps	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	
<b><u>Other Information</u></b>		
<b>Softening Point</b>	Specific test data for the substance or mixture is not available	
<b>Solids</b>	24 %	

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep away from open flames, hot surfaces and sources of ignition.

### Incompatible Materials

Strong oxidizing agents, strong acids, and strong bases.

### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides. Fumes of aluminum or aluminum oxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Inhalation</b>	Vapours may irritate throat and respiratory system. May cause irritation of respiratory tract. Harmful by inhalation. Inhalation of vapors in high concentration may cause irritation of respiratory system. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.
<b>Eye Contact</b>	Avoid contact with eyes. Moderately irritating to the eyes.
<b>Skin Contact</b>	Prolonged contact may cause redness and irritation. Avoid contact with skin.
<b>Ingestion</b>	Not an expected route of exposure. May be harmful if swallowed.

<b>Components</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Acetone	= 5800 mg/kg ( Rat )	> 15700 mg/kg ( Rabbit )	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h

67-64-1			
Toluene 108-88-3	= 2600 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L ( Rat ) 4 h
Zinc oxide (ZnO) 1314-13-2	> 5000 mg/kg ( Rat )	-	-

### Information on toxicological effects

**Symptoms** Specific test data for the substance or mixture is not available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.  
**Mutagenic Effects** Specific test data for the substance or mixture is not available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen

Components	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3	-	Group 3	-	-

**Reproductive Toxicity** Contains ingredients that are suspected reproductive hazards  
**STOT - single exposure** Respiratory system, Central nervous system.  
**STOT - repeated exposure** May cause disorder and damage to the. Liver, Respiratory system, Kidney, Central nervous system.  
**Aspiration Hazard** Risk of serious damage to the lungs (by aspiration).

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 2,994.00  
ATEmix (dermal) 13,817.00

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

### Persistence and Degradability

No information available.

### Bioaccumulation/Accumulation

No information available.

Components	log Pow
Acetone 67-64-1	-0.24
Toluene 108-88-3	2.7

**Other adverse effects** No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal Methods** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging** Do not reuse empty containers. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of weld containers.

## 14. TRANSPORT INFORMATION

**DOT** Regulated

**UN-No** 1133  
**Proper Shipping Name** Adhesives  
**Hazard Class** 3  
**Packing Group** II  
**Transport Label**



**IATA** Regulated

**IMDG/IMO** Regulated

### 15. REGULATORY INFORMATION

**TSCA 8(b)** All components are listed or exempt  
**DSL** All components are listed or exempt

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

#### US Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Components	Weight-%	SARA 313 - Threshold Values %
Toluene - 108-88-3	10 - 30	1.0
Zinc oxide (ZnO) - 1314-13-2	0.1 - 1.0	1.0
Xylenes (o-, m-, p- isomers) - 1330-20-7	< 0.1%	1.0
Benzene - 71-43-2	< 0.1%	0.1
1,3-Butadiene - 106-99-0	< 0.1%	0.1
Acrylonitrile - 107-13-1	< 0.1%	0.1 1.0
Lead - 7439-92-1	< 0.1%	0.1
Cadmium - 7440-43-9	< 0.1%	0.1
Formaldehyde - 50-00-0	< 0.1%	0.1

##### **SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes  
**Chronic Health Hazard** Yes  
**Fire Hazard** Yes  
**Sudden Release of Pressure Hazard** No  
**Reactive Hazard** No

##### **U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Components	Weight-%	HAPS data
Toluene 108-88-3	10 - 30	Present
Xylenes (o-, m-, p- isomers) 1330-20-7	< 0.1%	Present
Benzene 71-43-2	< 0.1%	
1,3-Butadiene 106-99-0	< 0.1%	
Acrylonitrile 107-13-1	< 0.1%	
Lead 7439-92-1	< 0.1%	
Cadmium	< 0.1%	

7440-43-9		
Formaldehyde 50-00-0	< 0.1%	Present

**CWA (Clean Water Act)**

See information supplied by the manufacturer

**CERCLA**

See information supplied by the manufacturer

**US State Regulations**

**California Proposition 65**

WARNING: This product can expose you to one or more chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). See section 3 of the SDS for Proposition 65 substances present at or above 0.1 weight percent. Please contact the Regulatory Department if additional information is required.

**U.S. EPA Label Information**

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b><u>NFPA</u></b>	Health Hazard 3	Flammability 3	Instability 0	Physical and Chemical Hazards -
<b><u>HMIS</u></b>	Health Hazard 3*	Flammability 3	Physical hazards 0	Personal Precautions B

**Revision Date** 28-May-2019

**Revision Note**

No information available

**Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet**