



## Safety Data Sheet

# PS-18 A

Issue Date: May, 2012

Revision Date: November, 2019

Version: 2

### 1. IDENTIFICATION

**Product Identifier**

Product Name PS 18A

**Other means of identification**

SDS # CIP-003

UN/ID No UN1133

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

Recommended Use Adhesive.

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

**Supplier Address**

Caseway Industrial Products, Inc.  
3487 Highland Drive  
Bay City, MI 48706  
Ph: 989-391-9992  
Fax: 989-391-9994

**Emergency Telephone Number**

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America) Contract # 106140  
\*\*\*Contact manufacturer for all non-emergency calls\*\*\*

### 2. HAZARDS IDENTIFICATION

**Appearance** Clear colorless liquid

**Physical State** Liquid

**Odor** Ester-like

**Classification**

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3
Flammable Liquids	Category 2

**Signal Word**

Danger

**Hazard Statements**

H315: Causes skin irritation

H318: Causes serious eye damage

H317: May cause an allergic skin reaction

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness

H225: Highly flammable liquid and vapor



#### **Precautionary Statements - Prevention**

**P210:** Keep away from heat/sparks/open flames/hot surfaces. — No smoking

**P235:** Keep cool

**P240:** Ground/bond container and receiving equipment

**P241:** Use explosion-proof equipment

**P242:** Use only non-sparking tools

**P243:** Take precautionary measures against static discharge

**P261:** Avoid breathing dust/fume/gas/mist/vapors/spray

**P264:** Wash face, hands and any exposed skin thoroughly after handling

**P270:** Do not eat, drink or smoke when using this product

**P271:** Use only outdoors or in a well-ventilated area

**P272:** Contaminated work clothing should not be allowed out of the workplace

**P280:** Wear protective gloves/protective clothing/eye protection/face protection

**P281:** Use personal protective equipment as required

#### **Precautionary Statements - Response**

**P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**P303+P361+P353:** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

**P363:** Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention

**P304+P340:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**P304+P312:** Call a POISON CENTER or doctor/physician if you feel unwell

**P370+P378:** IN CASE OF FIRE: Use CO<sub>2</sub>, dry chemical, or foam for extinction

IF INHAL  
Call a po

#### **Precautionary Statements - Storage**

**P405:** Store locked up

**P403+P233:** Store in a well-ventilated place. Keep container tightly closed

#### **Precautionary Statements - Disposal**

**P501:** Dispose of contents/container to an approved waste disposal plant

#### **Other Hazards**

Harmful to aquatic life with long lasting effects

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Proprietary	Proprietary	Proprietary
Proprietary	Proprietary	Proprietary

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST-AID MEASURES

### First Aid Measures

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation or rash occurs: Get medical advice/attention.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.
<b>Ingestion</b>	Rinse mouth. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Get medical attention immediately.

### Most important symptoms and effects

<b>Symptoms</b>	Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination. May cause skin and eye irritation. Will cause gastrointestinal tract irritation. The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically. Can cause allergic response in susceptible or hypersensitive individuals upon repeated or prolonged exposure.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** Water jet.

### Specific Hazards Arising from the Chemical

Vapors may travel to source of ignition and flash back. Highly flammable liquid and vapor.

<b>Sensitivity to Static Discharge</b>	Take precautionary measures against static discharge. Flammable mixtures of this product are readily ignited even by static discharge.
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### 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

<b>Personal Precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Remove all sources of ignition. The wet contaminated surface may be slippery.
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**Environmental Precautions** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). See Section 12 for additional Ecological Information.

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

**Methods for Containment** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite).

**Methods for Clean-Up** Use clean non-sparking tools to collect absorbed material. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS. Wash spill area with a mild detergent.

### **7. HANDLING AND STORAGE**

#### **Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Wear appropriate personal protective equipment. Wash face, hands, and any exposed skin thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static discharges. Ground container and transfer equipment to eliminate static electric sparks. Use spark-proof tools and explosion-proof equipment. Avoid breathing vapors or mists. Contaminated work clothing should not be allowed out of the workplace. Use only in well-ventilated areas. Keep containers closed when not in use. Keep cool.

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

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store between 16°-26°C (69°-79°F). Store locked up. Protect from damp. Store away from heat and incompatible materials.

**Incompatible Materials** Organic Peroxides, Reducing agent, Strong oxidizing agents. Tertiary amines. Heavy metals. Free-radical initiators. Mineral acids.

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Proprietary	STEL: 100 ppm TWA: 50 ppm	TWA: 100 ppm TWA: 410 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 410 mg/m <sup>3</sup>	IDLH: 1000 ppm TWA: 100 ppm TWA: 410 mg/m <sup>3</sup>
Proprietary	TWA: 20 ppm	(vacated) TWA: 20 ppm (vacated) TWA: 70 mg/m <sup>3</sup> (vacated) S*	TWA: 20 ppm TWA: 70 mg/m <sup>3</sup>

#### **Appropriate engineering controls**

**Engineering Controls** Good ventilation is required. Maintain eye wash fountain and quick-drench facilities in work area.

#### **Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Splash goggles or safety glasses.

**Skin and Body Protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection**

Ensure adequate ventilation, especially in confined areas. Use NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

**General Hygiene Considerations**

Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Ester-like
<b>Appearance</b>	Clear colorless liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear Colorless		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
pH	Not determined		
Melting Point/Freezing Point	-48.2 °C / -54.8 °F		
Boiling Point/Boiling Range	100.3 °C / 212.5 °F		
Flash Point	10 °C / 50 °F		
Evaporation Rate	3.1	Pensky-Martens Closed Cup (PMCC)	
Flammability (Solid, Gas)	Not determined	(butyl acetate = 1)	
Upper Flammability Limits	12%		
Lower Flammability Limit	2.1% @ 10.5°C / 33.8°F		
Vapor Pressure	38.7 hPa (=mbar)	@ 20°C (68°F)	
Vapor Density	3.5	(Air=1)	
Specific Gravity	0.94g/cm3	@ 20°C (68°F)	
Water Solubility	15.9 g/l	@ 20°C (68°F)	
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	430°C / 806°F		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions. Fill container by approximately 90% as oxygen (air) is required for stabilization. Large storage containers make sure the oxygen (air) supply is sufficient to ensure stability.

**Possibility of Hazardous Reactions**

Prolonged exposure to elevated temperatures which can cause premature polymerization and release methyl methacrylate vapors.

**Hazardous Polymerization**

Hazardous polymerization may occur.

**Conditions to Avoid**

Temperatures >35°C (95°). Heat, sparks, flames.

**Incompatible Materials**

Organic Peroxides, Reducing agent, Strong oxidizing agents. Tertiary amines. Heavy metals. Free-radical initiators. Mineral acids.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Eye Contact</b>	Causes serious eye damage.
<b>Skin Contact</b>	Causes skin irritation. May cause an allergic skin reaction.
<b>Inhalation</b>	May cause irritation to the mucous membranes and upper respiratory tract.
<b>Ingestion</b>	Ingestion may cause irritation to mucous membranes. May be harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Proprietary	= 7872 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	= 4632 ppm ( Rat ) 4 h = 400 ppm ( Rat ) 1 h
Proprietary	= 1060 mg/kg ( Rat )	= 500 mg/kg ( Rabbit )	= 7.1 mg/L ( Rat ) 4 h

**Information on physical, chemical and toxicological effects**

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	May cause an allergic skin reaction.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Proprietary		Group 3		

**Legend***IARC (International Agency for Research on Cancer)**Group 3 IARC components are "not classifiable as human carcinogens"***STOT - single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.**Numerical measures of toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Proprietary	170: 96 h Pseudokirchneriella subcapitata mg/L EC50	243 - 275: 96 h Pimephales promelas mg/L LC50 flow-through 125.5 - 190.7: 96 h Pimephales promelas mg/L LC50 static 170 - 206: 96 h Lepomis macrochirus mg/L LC50 flow-through 153.9 - 341.8: 96 h Lepomis macrochirus mg/L LC50 static 79: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 79: 96 h Oncorhynchus mykiss mg/L LC50 static 326.4 - 426.9: 96 h Poecilia reticulata mg/L LC50 static		69: 48 h Daphnia magna mg/L EC50

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

Chemical Name	Partition Coefficient
Proprietary	0.7
Proprietary	0.93

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**US EPA Waste Number**

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Proprietary	U162	Included in waste stream: F039		U162

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Proprietary	Toxic Ignitable

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

UN/ID No UN1133  
 Proper Shipping Name Adhesives  
 Hazard Class 3  
 Packing Group II  
 Reportable Quantity (RQ) 1000 lbs

**IATA**

UN/ID No UN1133  
 Proper Shipping Name Adhesives  
 Hazard Class 3  
 Packing Group II

**IMDG**

UN/ID No UN1133  
 Proper Shipping Name Adhesives  
 Hazard Class 3  
 Packing Group II

**15. REGULATORY INFORMATION****International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Proprietary	Present	X		Present		Present	X	Present	X	X
Proprietary	Present	X		Present		Present	X	Present	X	X

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*



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**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

## **US Federal Regulations**

### **CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Proprietary	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

### **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

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Proprietary -		Proprietary	1.0

### **CWA (Clean Water Act)**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Proprietary	1000 lb			X

## **US State Regulations**

### **U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Proprietary	X	X	X
Proprietary	X	X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	3	2	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	2	3	2	Not determined

**Issue Date:** 15-May-2012  
**Revision Date:** November, 2019  
**Revision Note:** Added GHS codes

**Disclaimer**

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.

**End of Safety Data Sheet**