

SECTION 1- PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name: SDS ID Number Product Identification:	PS1 Polyurethane Solvent Cleaner 3074749 62484448303, 62484448311
1.2 Relevant identified uses o	f the substance or mixture and uses advised against
General Use	Foam sealant remover, multi-purpose cleaner for professional use only
Uses advised against	
1.3 Details of the supplier and	d of the safety data sheet
Manufacturer	ICP Adhesives & Sealants
	2775 Barber Road
	Norton, Ohio 44203
	In Ohio: 330-753-4585; 1-800-321-5585 (Monday-Friday 8:00am-5:00pm EST)
1.4 Emergency telephone nur	nbers
In the U.S.A	CHEMTREC (24 hours) 1-800-424-9300
International Emergency	CHEMTREC (24 hours) 1-703-527-3887

SECTION 2- HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Product definition:	Mixture
Classification:	Flammable Aerosol- Category 1
	Gases Under Pressure- Compressed Gas
	Eye Irritation- Category 2
	Specific Target Organ Toxicity SE 3

2.2 Label elements Hazard Symbols:	
Signal Word:	DANGER
Hazard Statements:	H222- Extremely flammable aerosol
	H280- Contains gas under pressure; may explode if heated
	H319- Causes serious eye irritation
	H336- May cause drowsiness or dizziness
Prevention:	P102- Keep out of reach of children
	P210- Keep away from heat/sparks/open flames/hot surfaces-No Smoking
	P211- Do not spray on an open flame or other ignition source
	P251- Pressurized container: Do not pierce or burn, even after use
	P260- Do not breathe mist/vapors/spray
	P262- Do not get in eyes, on skin, or on clothing
	P271- Use only outdoors or in a well-ventilated area
	P280- Wear protective gloves, protective clothing and eye protection
Response:	
	P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
	P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
	P314- Get medical advice if you feel unwell
	P342+P311- If experiencing respiratory symptoms: Call a POISON CENTER or doctor P370+P378- In case of fire: Use water fog, foam, dry chemical or carbon dioxide for extinction
	P381- Eliminate all ignition sources if safe to do so
Storage:	P403+P405- Store in a well-ventilated place. Store locked up.
	P410- Protect from sunlight
	P412- Do not expose to temperatures exceeding 50°C/122°F.

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Disposal:

P501 Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

2.3 Hazards otherwise not classified

Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	Ingredient	CAS No.
90-100*	Acetone	67-64-1
0-10*	Carbon Dioxide	124-38-9

There are not additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to the health or environment and hence require reporting in this section.

**The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4- FIRST AID MEASURES

4.1 Description of first aid measures

- **Eye:** Immediately flush eyes with large amounts of water for at least 15 minutes, holding the eyes open with fingers and occasionally lifting the upper and lower lids. Use lukewarm water if possible. If present and easy to do so, remove contact lenses, if irritation persists, get medical attention.
- Skin: In case of contact, immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation persists.
- Inhalation: If product vapor or mist causes respiratory irritation or distress, move exposed person to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.
- **Ingestion:** Rinse mouth thoroughly with water. If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11.1 for information on toxicological effects.

4.3 Notes to the physician

Symptoms may not appear immediately. If case of an accident or if you feel unwell, seek medical advice immediately (show label or SDS if possible).

SECTION 5- FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable methods of extinction: Use dry chemical, carbon dioxide, alcohol resistant foam, Halon 1211, water spray or fog. **Unsuitable methods of extinction**: Do not use water jets and high pressure water as these may spread the fire

5.2 Special hazards arising from the substance or mixture

Contents under pressure. Extremely flammable aerosol. Contains flammable liquid and vapor. Eliminate all ignition sources. Aerosol cans exposed to fire or high temperature can rupture and rocket. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. During a fire irritating and highly toxic gases may be generated by thermal decomposition or combustion. Hazardous decomposition products: Carbon monoxide and Carbon dioxide.

5.3 Advice to firefighters

Keep upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool. Containers may explode if heated.

SECTION 6- ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Stay upwind of spill. Keep out of low areas. Use personal protective equipment recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Avoid breathing vapor.

6.2 Environmental precautions

Do not allow to enter sewers, drains, or waterways

6.3 Methods and materials for containment and cleaning up

Method for containment: Contain spill. Absorb liquid with vermiculite or with an inert absorbent.

Methods for cleaning up: Scoop up material and place in a lidded disposal container. Dispose of as waste in accordance with all applicable guidelines and regulations. Materials used in clean-up may be considered hazardous waste. Vapors can accumulate in low areas. Provide ventilation.

6.4 Reference to other sections

For indications about waste treatment, see Section 13

SECTION 7- HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from sources of ignition- No smoking. Do not spray on an open flame or other ignition source. Pressurized container: do not pierce or burn, even after use. Container may explode if heated. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Do not swallow. Use only in a well-ventilated area or outdoors. Avoid welding or other "hot work" in the vicinity using Handi-Cleaner. When using do not eat, drink or smoke. (See section 8)

General hygiene advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking or smoking.

7.2 Conditions for safe storage including any incompatibilities

Store in a dry place. Store locked-up. Do not expose aerosol cans to open flame or temperatures above 122°F (50°C). Protect containers from physical abuse. Keep containers upright. **KEEP AWAY FROM CHILDREN.**

SECTION 8- EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control Parameters

CAS No.	Ingredient	OSHA-PEL TWA	ACGIH-TLV	NIOSH
67-64-1	Acetone	1000 ppm 2400 mg/m ³	500 ppm TWA 750 ppm STEL	250 ppm; 590 mg/m ³ TWA 2500 ppm IDLH (LEL)
124-38-9	Carbon Dioxide	5000 ppm 9000 mg/m ³	5000 ppm; 9000 mg/m ³ TWA 30000 ppm; 54000 mg/m ³ STEL	1000 ppm; 1900 mg/m ³ TWA 30000 ppm; 54000 mg/m ³ STEL 40000 ppm IDLH

8.2 Exposure Controls:

Engineering measures: Use ventilation adequate to keep exposures below recommended exposure limits.

Eye/face Protection: Wear Indirect vented goggles.

Hand Protection: Use chemically resistant gloves (i.e. Nitrile gloves). Nitrile/butadiene rubber, butyl rubber, polyethylene, PVC (vinyl), or neoprene gloves are also effective. Glove selection should take into account potential body reactions to certain materials and manufacturer's instructions for use. Break through time of selected gloves must be greater than the intended use period.

Other Protective Equipment: Use clothing that protects against dermal exposure. Appropriate protective clothing varies depending on the potential for exposure. To ensure proper skin protection, wear PPE in such a manner that no skin is exposed.

Respiratory Protection: If atmospheric levels are expected to exceed the exposure levels, use a NIOSH approved air purifying respirator equipped with an organic vapor cartridge and particulate filter. If atmospheric levels exceed 10 times the TLV or PEL level for which an air-purifying respirator is effective, use a powered air purifying respirator (PAPR). The type of respiratory protection selected must comply with the requirements set forth in OSHA's Respiratory Protection Standard (29 CFR 1910.134).

Hygiene Measures: An eye wash station or portable eye wash station should be in the area. Wash hands thoroughly after use, before eating, drinking or using the lavatory. Employees/Users should be educated and trained in the safe use and handling of this product.

SECTION 9- Physical and chemical properties

9.1 Information on basic physical and chemical properties			
General Physical Form	Aerosol- Clear colorless liquid		
Color	Clear		
Odor	Solvent Odor		
Odor Threshold:	13-20 ppm		
pH:	7		
Melting Point/Freezing Point	No data available		
Initial Boiling Point and Boiling Range	133°F (56°C) (Acetone Supplier)		
Flash Point:	0°F (-18°C), (Acetone Supplier)		
Evaporation Rate:	5.6		
Flammability:	Highly Flammable		

Lower Flammability/Explosive Limit:	2.5%
Upper Flammability/Explosive Limit:	12.8%
Vapor Pressure	231 mm Hg @ 25°C)
Vapor Density:	2.0 (Air = 1)
Relative Density/Specific Gravity:	~ .81 estimated (Water = 1)
Solubility:	Soluble
Partition coefficient: n-octanol/water:	log Pow = -0.24
Auto-ignition Temperature:	1004°F (540°C) (Acetone Supplier)
Decomposition Temperature;	No data available
Viscosity:	.33 cps @20°C
Explosive Properties:	May be sensitive to mechanical impact or static discharge. Vapor released during and immediately after dispensing may accumulate and ignite explosively if proper ventilation is not employed. Extinguish or remove all sources of ignition during dispensing, until product becomes tack free or skins over.
VOC Content (calculated minus	0 g/l (acetone and carbon dioxide are VOC exempt compounds)
exempt compounds and water)	

SECTION 10- STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical Stability

Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not pierce or burn, even after use. **10.3 Possibility of Hazardous Reactions**

Contents are under pressure and exposure to high temperature can cause containers to rupture or explode. Avoid excessive heat and sources of ignition. Reacts with strong oxidizing agents.

10.4 Conditions To Avoid

Heat. Incompatible materials. Sources of ignition.

10.5 Incompatible Materials

Strong oxidizing agents, strong acids, halogenated compounds, reducing agents, strong bases, rubber, various plastics.

10.6 Hazardous Decomposition Products

May include, and are not limited to: oxides of carbon, irritating and toxic fumes.

SECTION 11- TOXICOLOGICAL INFORMATION

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, , because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:

Intentional concentration and inhalation may be harmful or fatal.

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact:

Dermal defatting: Signs/symptoms may include localized redness, itching, drying and cracking of skin.

Eye Contact:

Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Ingestion:

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

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Additional Health Effects:

Single exposure may cause target organ effects:

Central Nervous System Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Toxicological Data

If the component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data is not sufficient for classification.

Name	Route	Species	Value
Overall product	Ingestion		No data available, ATE calculated >5000 mg/kg
Acetone	Dermal	Rabbit	LD50> 15,688 mg/kg
Acetone	Inhalation- Dust/Mist (4 hours)	Rat	LC50 76 mg/l
Acetone	Ingestion	Rat	LD50 5,800 mg/kg
Carbon Dioxide	Inhalation- Dust/Mist (4 hours)	Rat	LD50 >53,000 ppm

Skin Corrosion/Irritation

Name	Species	Value
Acetone	Mouse	Minimal irritation

Serious Eye Damage/Irritation

Name	Species	Value
Acetone	Rabbit	Severe irritant

Skin Sensitization

For the component/components, either no data are currently available or the data are not sufficient for classification.

Respiratory Sensitization

For the component/components, either no data are currently available or the data are not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value
Acetone	In vivo	Not mutagenic
Acetone	In vitro	Some positive data exist, but the data are not sufficient for classification.

Carcinogenicity

Name	Route	Species	Value
Acetone	Not specified	Multiple Animal Species	Not Carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
Acetone	Ingestion	Some positive male reproductive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,700 mg/kg/day	13 weeks
Acetone	Inhalation	Some positive developmental data exist, but the data are not sufficient for classification	Rat	NOAEL 5.2 mg/l	During organogenesis
Carbon Dioxide	Inhalation	Some positive male reproductive data exist, but the data are not sufficient for classification	Mouse	LOAEL 35,000 ppm	Not available
Carbon Dioxide	Inhalation	Some positive developmental data exist, but the data are not sufficient for classification	Rat	LOAEL 60,000 ppm	24 hours

Target Organ(s)

Specific Target Organ Toxicity- single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Acetone	Inhalation	Central Nervous System depression	May cause drowsiness or dizziness	Human	NOAEL: Not Available	

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Acetone	Inhalation	Respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL: Not Available	
Acetone	Inhalation	Immune System	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL: 1.19 mg/l	6 hours
Acetone	Inhalation	Liver	Some positive data exist, but the data are not sufficient for classification	Guinea pig	NOAEL: Not Available	
Acetone	Ingestion	Central Nervous System Depression	May cause drowsiness or dizziness	Human	NOAEL: Not Available	Poisoning or abuse

Specific Target Organ Toxicity- repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Acetone	Dermal	Eyes	Some positive data exist, but the data are not sufficient for classification	Guinea Pig	NOAEL: Not Available	3 weeks
Acetone	Inhalation	Hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL: 3 mg/l	6 weeks
Acetone	Inhalation	Immune system	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL: 1.19 mg/l	6 days
Acetone	Inhalation	Kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Guinea Pig	NOAEL: 119 mg/l	Not available
Acetone	Inhalation	Heart/liver	All data are negative	Rat	NOAEL: 45 mg/l	8 weeks
Acetone	Ingestion	Kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL: 900 mg/kg/day	13 weeks
Acetone	Ingestion	Heart	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL: 2,500 mg/kg/day	13 weeks
Acetone	Ingestion	Hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL: 200 mg/kg/day	13 weeks
Acetone	Ingestion	Liver	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL: 3,896 mg/kg/day	14 days
Acetone	Ingestion	Eyes	All data are negative	Rat	NOAEL: 3400 mg/kg/day	13 weeks
Acetone	Ingestion	Respiratory system	All data are negative	Rat	NOAEL: 2500 mg/kg/day	13 weeks
Acetone	Ingestion	Muscles	All data are negative	Rat	NOAEL: 2500 mg/kg/day	13 weeks
Acetone	Ingestion	Skin/ bone, teeth, nails, and/or hair	All data are negative	Mouse	NOAEL: 11,298 mg/kg/day	13 weeks
Carbon Dioxide	Inhalation	Heart/ bone, teeth, nails, and/or hair/ liver/nervous system/kidney and or bladder/ respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL: 60,000 ppm	166 days

Aspiration hazard:

For the component/components, either no data are currently available or the data are not sufficient for classification.

SECTION 12- ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Aquatic Ecotoxicity (Acetone):

LC50 Oncorhynchus mykiss (Rainbow trout) 96h: 5,540 mg/l LC50 Pimephales promelas (Fathead minnow) 96h: 7,280-8180 mg/l LC50 Lepomis macrochirus 9Bluegill sunfish) 96h: 8,300 mg/l Acute toxicity to aquatic invertebrates: EC50 Daphnia magna (Water flea) 48h: 6,100 mg/l Acute and prolonged toxicity to aquatic plants: EC50 Selenastrum capricorntum (Green algae) 96h: >100 mg/l Acute toxicity to aquatic microbes: EC50 Activated sludge- 30 min: 59-67.4 mg/l

12.2 Persistence and degradability

Product is not readily biodegradable.

12.3 Bioaccumulative potential

Does not bioaccumulate

12.4 Mobility in soil

Material volatizes, leeches and biodegrades when released to soil

12.5 Other Adverse Effects

Additional ecological information: Do not allow material to run into surface waters, waste water or soil. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13- DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Methods of disposal

Before disposing of containers, collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material must be disposed of in accordance with all local, regional, national, international regulations. **RCRA Hazardous Waste U List:** Acetone (CAS 67-64-1) U002

Other disposal recommendations:

Do not puncture or incinerate containers. Use appropriate Personal Protective Equipment.

SECTION 14- TRANSPORTATION

Containers 1000 cu. cm. (1 liter) or less:

		*Due to changes in December 2020: See shipping papers for exact 49 CFR descriptions.
Ground	Consumer Commodity ORM-D	Limited Quantity
Air	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY Packing Group- Not applicable	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY Packing Instructions (Cargo & Passenger) 203
Water	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY

*This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity- ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

SECTION 15- REGULATORY

15.1 Safety, health, and environmental regulations/ legislations specific for the substance or mixture <u>U.S. Federal Regulations</u>

OSHA Hazard Communication Standard: This material is classified as a hazardous in accordance with OSHA 29 CFR 1910-1200 **TSCA Status:** All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory. This product is not subject to TSCA 12(b) Export Notification.

Superfund Amendments and Reauthorization Act (SARA)

SARA Section 311/312 Hazard Categories: Acute Health Hazard, Fire Hazard, Sudden Release of Pressure Hazard **SARA 313 Information**: None of the chemicals in this product exceed the threshold (de minimis) reporting levels established by Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986.

SARA 302/304 Extremely Hazardous Substance: No components of the product exceed the threshold (de minimis) reporting levels established by these sections of the Title III of SARA.

SARA 302/304 Emergency Planning & Notification: No components of the product exceed the threshold (de minimis) report levels established by these sections of the Title III of SARA.

Comprehensive Response Compensation and Liability Act (CERCLA): This product contains the following CERCLA reportable substances: Acetone (CAS #67-64-1): RQ- 2,268 kg (5,000 lbs).

Clean Air Act (CAA) – This product does not contain any chemicals that are listed as a Hazardous Air Pollutant (HAP) designated in CAA Section 112 (b). This product does not contain any Class 1 or Class 2 Ozone depletors.

Clean Water Act (CWA) - Acetone (CAS #101-68-8) is listed as a Hazardous Substance under the CWA. None of the chemicals in these products are listed as Priority Pollutants under the CWA. None of the chemicals listed in these products are listed as Toxic Pollutants under the CWA.

U.S. State Regulations:

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Other U.S. State Inventories:

Acetone (CAS #67-64-1) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/air Pollutants lists: CA, DE, FL, ID, ME, MA, MN, NJ, PA, RI

Carbon Dioxide (CAS #124-38-9) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: NJ, MA, PA, RI

15.2 Chemical safety assessment: For this product a chemical safety assessment was not carried out

SECTION 16- OTHER



NFPA: Health Hazard 1; Flammability 3; Reactivity 0

HMIS: Health Hazard 1; Flammability 3; Physical Hazard 0 Hazard Rating: 0=minimal, 1= slight, 2=moderate, 3=severe, 4= extreme

The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. The manufacturer makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties, either expressed or implied, of merchantability or fitness for a particular use are made hereunder with respect to this information or the product to which information refers.

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