



Material Safety Data Sheet

NFPA	HMIS	Personal Protective Equipment
3 COR	Health Hazard 2 Fire Hazard 2	
COR	Reactivity 1	See Section 15.

Section 1. Chemical Product and Company Identification Page Number: 1				
Common Name/ Trade Name	Propionic anhydride		Catalog Number(s).	P2127
			CAS#	123-62-6
Manufacturer	SPECTRUM CHEMICAL MFG. CORP.		RTECS	UF9100000
	14422 S. SAN PEDRO STREET GARDENA, CA 90248		TSCA	TSCA 8(b) inventory: Propionic anhydride
Commercial Name(s)	Not available.		CI#	Not available.
Synonym	Methylacetic anhydride		DI CAGE OF	EMED CENION
Chemical Name	Propionic anhydride		-	EMERGENCY C (24hr) 800-424-9300
Chemical Family	Not available.		CALL (310) 5	16-8000
Chemical Formula	C6-H10-O3			
Supplier	SPECTRUM CHEMICAL MFG. CORP. 14422 S. SAN PEDRO STREET GARDENA, CA 90248			_

Section 2.Composition and Information on Ingredients						
				Exposure Limits		
Name		CAS#	TWA (mg/m³)	STEL (mg/m³)	CEIL (mg/m³)	% by Weight
1) Propionic anhydride		123-62-6				100
Toxicological Data Propionic anhydride: on Ingredients ORAL (LD50): Acute: 2360 mg/kg [Rat].						

Section 3. Hazards Identification

Potential Acute Health Effects Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation (lung irritant). Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death.

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Propionic anhydride		Page Number: 2
	CARCINOGENIC EFFECTS: Classified None. by OSHA. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, upper respiratory tract, skin, eyes, eye, lens or cornea. Repeated or prolonged exposure to the substance can produce target organs damage. It contact with spray mist may produce chronic eye irritation and severe skin irritation. If exposure to spray mist may produce respiratory tract irritation leading to frequent attacks. Repeated exposure to an highly toxic material may produce general deterioration of health one or many human organs.	Repeated or prolonged of bronchial infection.

Section 4. First A	Section 4. First Aid Measures		
Eye Contact	Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.		
Skin Contact	If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical got on the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.		
Serious Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.		
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.		
Serious Inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.		
Ingestion	Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.		
Serious Ingestion	Not available.		

Section 5. Fire and Explosion Data		
Flammability of the Product	Combustible.	
Auto-Ignition Temperature	285°C (545°F)	
Flash Points	CLOSED CUP: 62.8°C (145°F). OPEN CUP: 68.9°C (156°F).	
Flammable Limits	LOWER: 1.3% UPPER: 9.5%	
Products of Combustion	These products are carbon oxides (CO, CO2).	
Fire Hazards in Presence of Various Substances	Not available.	
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.	
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.	
Special Remarks on Fire Hazards	Not available.	
Special Remarks on Explosion Hazards	Not available.	

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Section 6. Acc	dental Release Measures
Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	Combustible material. Corrosive liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

Section 7. Hand	lling and Storage
Precautions	Keep locked up Keep container dry. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Never add water to this product Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, organic materials, acids, alkalis, moisture.
Storage	Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

Section 8. Exposure	Section 8. Exposure Controls/Personal Protection		
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.		
Personal Protection	Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.		
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.		
Exposure Limits	Not available.		

Physical state and appearance	Liquid.	Odor	Pungent.
Molecular Weight	130.14 g/mole	Taste	Not available.
pH (1% soln/water)	Not available.	Color	Colorless.
Boiling Point	169°C (336.2°F)		
Melting Point	-43°C (-45.4°F)		
Critical Temperature	Not available.		
Specific Gravity	Not available.		
Vapor Pressure	Not available.		
Vapor Density	4.5 (Air = 1)		
Volatility	Not available.		
Odor Threshold	Not available.		
Water/Oil Dist. Coeff.	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	Partially dispersed in diethyl ether. See solubility in water, diethyl ether.		

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Propionic anhyd	fride	Page Number: 4
Solubility	Partially soluble in diethyl ether.	

Section 10. Stability and Reactivity Data		
Stability	The product is stable.	
Instability Temperature	Not available.	
Conditions of Instability	Not available.	
Incompatibility with various substances	Reactive with oxidizing agents, reducing agents, organic materials, acids, alkalis, moisture.	
Corrosivity	Not available.	
Special Remarks on Reactivity	Not available.	
Special Remarks on Corrosivity	Not available.	
Polymerization	No.	

Section 11. Toxicological Information		
Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.	
Toxicity to Animals	Acute oral toxicity (LD50): 2360 mg/kg [Rat].	
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified None. by OSHA. The substance is toxic to lungs, upper respiratory tract, skin, eyes, eye, lens or cornea.	
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant).	
Special Remarks on Toxicity to Animals	Not available.	
Special Remarks on Chronic Effects on Humans	Not available.	
Special Remarks on other Toxic Effects on Humans	Not available.	

Section 12. Ecological Information		
Ecotoxicity	Not available.	
BOD5 and COD	Not available.	
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.	
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.	
Special Remarks on the Products of Biodegradation	Not available.	

Section 13. Disposal Considerations

Waste Disposal

Section 14. Transport Information

DOT Classification CLASS 8: Corrosive liquid.

Identification : Propionic Anyhydride : UN2496 PG: III

Special Provisions for

Transport

Not available.

DOT (Pictograms)



Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations Rhode Island RTK hazardous substances: Propionic anhydride

Pennsylvania RTK: Propionic anhydride

Florida: Propionic anhydride

Massachusetts RTK: Propionic anhydride New Jersey: Propionic anhydride TSCA 8(b) inventory: Propionic anhydride

TSCA 8(d) H and S data reporting: Propionic anhydride: 9/30/91

California Proposition 65

Warnings

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications

WHMIS (Canada) CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

CLASS E: Corrosive liquid.

DSCL (EEC) R20/22- Harmful by inhalation and if

swallowed.

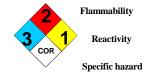
R24- Toxic in contact with skin.

HMIS (U.S.A.)

Health Hazard	2
Fire Hazard	2
Reactivity	1
Personal Protection	

National Fire Protection Association (U.S.A.)

Health



WHMIS (Canada) (Pictograms)





DSCL (Europe) (Pictograms)



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Propionic anhydride

TDG (Canada)



ADR (Europe) (Pictograms)

(Pictograms)



Protective Equipment



Gloves.



Full suit.



Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.



Face shield.

Section 16. Other Information

MSDS Code 5636P

References Not available.

Other Special Considerations

Not available.

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CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.