

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory-Form)

Form Approved

OMB No. 1218-0072

<b>IDENTITY (As Used on Label and List)</b> Perchloroethylene	<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>
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<b>Section I – Identity</b>		NA = Not Applicable NIA = No Information Available			
Manufacturer's Name Ashland Chemical Suppliers	Emergency Telephone Number 606-324-1133				
Address (Number, Street, City, State, and ZIP Code) P.O. Box 2219, Comumbia Ohio 43216	Telephone Number For Information 614-889-3333				
	Date Prepared				
Chemical Family	Signature of Preparer (optional)				

<b>Section II – Hazardous Ingredients</b>					
Chemical Identity; Common Name(s)	CAS #	OSHA PEL	ACGIH TLV	Other Limits	%(optional)
Perchloroethylene	127-18-4	100	50 ppm		100

<b>Section III – Physical Data</b>			
Boiling Point	250 F	Specific Gravity (H <sub>2</sub> O=1)	0.1.618
Vapor Pressure (mm Hg.)	13.00 mmhg	Melting Point	Na
Vapor Density (AIR=1)	5.7	Evaporation Rate (Butyl Acetate = 1)	2.80
pH ,1%	NA	% Volatile	100
Solubility In Water na			
Appearance and Odor			

<b>Section IV – Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) na	Flammable Limits	LEL Na	UEL Na
Extinguishing Media Water Fog			
Special Fire Fighting Procedures Water may be used to keep fire exposed containers cool until fire is out			
Unusual Fire and Explosion Hazards			

**Section V – Physical Hazards / Reactivity Data**

Stability	Unstable		Conditions to avoid
	Stable	X	

Incompatibility (*Materials to Avoid*)

Hazardous Decomposition or Byproducts

Carbon dioxide, carbon monoxide, hydrogen chloride, phosgene, various hydrocarbons

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	NONE

**Section VI – Health Hazard Data**

Routes(s) of Entry:	Inhalation?	Skin?	Ingestion?
	X	X	YES

Health Hazards (*Acute and Chronic*)

Prolonged eye contact may cause eye damage

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
NO	NO	NO	NO

Signs and Symptoms of Exposure

Irritates eyes and skin, breathing. Ingestion may cause gastrointestinal irritation.

Medical Conditions Generally Aggravated by Exposure

NA

**Section VII – First Aid Measures**

1. Inhalation

Remove to fresh air and give oxygen if breathing is difficult. Get medical attention

2. Eyes

Flush with large amounts of water for at least 15 minutes, get medical attention

3. Skin

Wash skin with soap and water, remove and wash clothing before reuse

4. Ingestion

do not induce vomiting. Get medical attention

**Section VIII – Preventative Measures**Respiratory Protection (*Specify Type*)

Not required during normal use.

Ventilation	Local Exhaust None needed for small treatment	Special NONE REQUIRED
	Mechanical ( <i>General</i> ) Adequate	Other NONE REQUIRED

Protective Gloves Resistant gloves	Eye Protection Splash proof goggles
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Other Protective Clothing or Equipment

Impervious clothing or boots

Work/Hygienic Practices

**Section IX – Special Precautions / Spill Leak Procedures**

Steps to Be Taken in Case Material is Released or Spilled

Small Spill- absorb on paper, vermiculite, floor absorbant, or other absorbant and place on hood. Large spill- dike spill area, pump into salvage tank.

Remaining liquid may be taken up with sand, clay, earth, floor absorbant, or other absorbant material and shoveled into container.

Waste Disposal Method

DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS

Precautions to Be Taking in Handling and Storing

Other Precautions

**Section X– Other Information**