



SAFETY DATA SHEET

1. Identification

Product Name	Propionaldehyde
Cat No. :	AC220510000, AC220510025, AC220511000, AC220515000; AC220510100
Synonyms	Propanal



Precautionary Statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray

Ingestion

Do not induce vomiting. Obtain medical attention.

Most important symptoms/effects

Breathing difficulties. . Causes eye burns. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

Notes to Physician

Treat symptomatically

8. Exposure controls / personal protection

Exposure Guidelines

9. Physical and chemical properties

Physical State	Liquid
Appearance	Colorless
Odor	Stench
Odor Threshold	No information available
pH	No information available
Melting Point/Range	-81 °C / -113.8 °F
Boiling Point/Range	48 °C / 118.4 °F @ 760 mmHg
Flash Point	-40 °C / -40 °F
Evaporation Rate	No information available
Flammability (solid,gas)	Not applicable
Flammability or explosive limits	
Upper	17 vol %
Lower	2.9 vol %
Vapor Pressure	330 hPa @ 20 °C
Vapor Density	No information available
Relative Density	0.798

Conditions to Avoid

Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition. Exposure to air.

Incompatible Materials

Strong oxidizing agents, Strong bases, Reducing agents

Hazardous Decomposition Products

Carbon monoxide (CO), Carbon dioxide (CO)
Hazardous Decomposition Products

Bioaccumulation/ Accumulation No information available.

Mobility Will likely be mobile in the environment due to its volatility.

Component
Propionaldehyde

log Pow
0.59

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT

UN-No	UN1275
Proper Shipping Name	PROPIONALDEHYDE
Hazard Class	

Component	CAS-No	Weight %	SARA 313 - Threshold Values %
Propionaldehyde	123-38-6	>95	1.0

SARA 311/312 Hazardous Categorization

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

Clean Water Act Not applicable

Clean Air Act

Component	HAPS Data	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Propionaldehyde	X		-

