

Material Safety Data Sheet. No: SD4050-R00

Section 1 : Chemical Identification

Catalogue No.:	4050-XXXX	Name:	Anhydrous Wash (Acetonitrile)
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Section 2 : Composition/information on Ingredients

Chemical Name	CAS No.	EINECS No.
Acetonitrile	75-05-8	200-835-2

Section 3 : Hazards Identification

Main Hazard	Highly Flammable
Other Specific Hazards	Toxic

Section 4 : First Aid Measures

Eyes	In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. OBTAIN MEDICAL ATTENTION
Skin	In case of contact, remove contaminated clothing, immediately wash skin with soap and copious amounts of water. OBTAIN MEDICAL ATTENTION
Ingestion	Induce vomiting and washout mouth with water provided the person is conscious. Trained persons may administer amyl nitrate by inhalation in cases of stupor or unconsciousness OBTAIN MEDICAL ATTENTION
Inhalation	Immediately remove to fresh air. If not breathing, give artificial respiration. OBTAIN MEDICAL ATTENTION

Section 5 : Fire Fighting Measures

Extinguishing Media	Carbon dioxide, dry chemical powder or appropriate foam
Special Hazards of Product	Volatile and flammable liquid. Heat will build up pressure in closed storage containers. Vapour may travel some distance to points of ignition and cause flash back.
Protective Equipment for Fire Fighting	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 : Accidental Release Measures

Personal Protection	Protective gloves, goggles or laboratory spectacles and clothing are recommended. See also sections 6 and 7 above.
Leaks and Spills	Spillages will create a fire hazard. Small spills should be allowed to evaporate and the area well ventilated. Large spills should be contained and absorbed with a suitable inert material then removed for disposal. Take precautions against static discharge

Section 7 : Handling and Storage

Handling	Wear protective clothing, gloves and safety goggles. Use in a fume extraction cabinet. Avoid contact with eyes, skin and clothing. Avoid inhalation. Wash thoroughly after handling. Avoid heat, sparks and open flames. Keep containers closed when not in use. Earth metal containers when in use.
Storage	Protect from extremes of temperature and direct sunlight. Store in sealed containers in an appropriately protected and secure flammable liquid store. Proper storage should be determined based on other materials stored and their hazards and chemical incompatibilities

Section 8 : Exposure controls/Personal Protection

Exposure Controls	Always use adequate fume extraction and keep storage vessels closed when not in use. See also sections 6 and 7 above.
Personal Protection	Protective gloves, goggles or laboratory spectacles and clothing are recommended. See also sections 6 and 7 above.

Section 9 : Physical and Chemical Properties

Physical State	Colourless liquid		
Melting Point	-45.7°C	Boiling Point	81.6°C
Flash Point	2°C	Explosion Limits	Lower: 3% vol. upper: 17% vol.
Solubility (Water)	Complete	Solubility (Org. Solvents)	Miscible
Chemical Formula	C ₂ H ₃ N	Molecular Weight	41.05
Other Information	Autoignition temperature: 524°C		

Section 10 : Stability and Reactivity

Chemical Stability	Stable
Incompatibilities	Strong acids and bases and oxidising agents
Hazardous Decomposition or Combustion Products	Formation of toxic gasses is possible during heating or in case of fire
Hazardous Polymerisation	Does not occur

Section 11 : Toxicological Data

Toxic Effects	Inhalation: May cause irritation of the nose and throat, flushing of the face and bronchial tightness. Prolonged exposure may cause nausea, dizziness headache vomiting, chest or abdominal pain, respiratory depression extreme weakness stupor or convulsions. In extreme cases can be fatal Ingestion: systemic effects Eye: contact may cause irritation, Lachrymator Skin contact: causes irritation and systemic effects. Chronic exposure effects: can produce damage to liver and kidneys.
Other Toxicological Data	ORL -RAT LD50: 2730-3800mg/kg

Section 12 : Ecological Information

Data not yet available. In use, caution should be exercised to minimise release into the environment by using appropriate containment procedures

Section 13 : Disposal Information

Dispose by incineration at high temperature in an approved incinerator fitted with appropriate environmental protection equipment. Dispose of in accordance with all applicable Local, National, State and Federal regulations. Labels should not be removed from containers until they have been thoroughly cleaned in an appropriate manner. Containers should not be treated as domestic waste and disposed of appropriately. Always use an approved disposal company.

Section 14 : Transport Information

UN No.	1648	UN Class	3	UN Packing Gp.	II
Road Freight	ADR/RID Item No. 11(b) Class 3 Hazard No. 336				
Sea Freight	IMDG Group II Class 3.2 Ems No. 3-06				
Air Freight	IATA Class 3				

Section 15 : Regulatory Information

European Information:

R Phrases	R11 - Highly flammable
S Phrases	S7 - Keep container tightly closed S16 - Keep away from sources of ignition - No smoking

Section 16 : Other information

MSDS First Issued	Mar07	MSDS Last Revision	Mar07	MSDS Version	R00
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