

MSDS for DAPSONE

**** MATERIAL SAFETY DATA SHEET ****

DAPSONE

Section 1 - Chemical Product and Company Identification

MSDS Name DAPSONE

Synonyms Dapsone, DDS, 4,4'-Sulfonyldianiline

Manufacturer's Name Atul Ltd – PP Site

Manufacturer's Address P.O. ATUL – 396020
Gujarat, INDIA

Emergency Telephone No: ++91 2632 233204, 233205, 233621

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Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	%	EINECS#	Haz Symbols	Risk Phrases
80-08-0	4-AMINOPHENYL SULFONE, 97%	97%	201-248-4		

Hazard Symbols: XN

Risk Phrases: 22

Section 3 – Hazards Identification

EMERGENCY OVERVIEW

Harmful if swallowed. Cancer suspect agent.

POTENTIAL HEALTH EFFECTS

Eye May cause eye irritation.

Skin May cause skin irritation.

Ingestion Harmful if swallowed.

Inhalation May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic Not available.

Section 4 - First aid Measures

Eyes Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

Skin Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation Remove from exposure and move to fresh air immediately.

Notes to

Physician

Section 5 – Fire Fighting Measures

General Information	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media	In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Section 6 - Accidental Release Measures

General Information	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks	Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

Section 7 - Handling and Storage

Handling	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
Storage	Store in a cool, dry place. Keep container closed when not in use.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls	Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.
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PERSONAL PROTECTIVE EQUIPMENT

Eyes	Wear safety glasses and chemical goggles if splashing is possible.
Skin	Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing	Wear appropriate protective clothing to minimize contact with skin.
Respirators	Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

Section 9 – Physical and Chemical Properties

Physical State	Crystalline powder
Color	white – beige
Odor	Not available.
pH	Not available.
Vapor Pressure	Not available.
Viscosity	Not available.
Boiling Point	Not available.
Freezing/Melting Point	173.00 – 178.00 deg C
Autoignition Temperature	Not available.

Flash Point	Not available.
Explosion Limits, lower	Not available.
Explosion Limits, upper	Not available.
Decomposition Temperature	
Solubility in water	insoluble
Specific Gravity/Density	
Molecular Formula	C12H12N2O2S
Molecular Weight	248.30

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal temperatures and pressures.
Conditions to Avoid	Incompatible materials, strong oxidants.
Incompatibilities with Other Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.
Hazardous Polymerization	Has not been reported.

Section 11 – Toxicological Information

RTECS#	CAS# 80-08-0: BY8925000
LD50/LC50	CAS# 80-08-0: Oral, mouse: LD50 = 250 mg/kg; Oral, rat: LD50 = 1 gm/kg; Skin, rabbit: LD50 = >4 gm/kg.
Carcinogenicity	4-AMINOPHENYL SULFONE, 97% - IARC: Group 3 carcinogen See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Section 13 – Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	No information available.	No information available.	No information available.
Hazard Class:	-	-	-
UN Number:	-	-	-
Packing Group:	-	-	-

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases:

S 22 Do not breathe dust.

WGK (Water Danger/Protection)

CAS# 80-08-0: No information available.

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 80-08-0 is listed on Canada's DSL List.

CAS# 80-08-0 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

CAS# 80-08-0: OEL-FINLAND;Carcinogen

OEL-RUSSIA:STEL 5 mg/m3

US FEDERAL

TSCA

CAS# 80-08-0 is listed on the TSCA inventory.

Section 16 - Additional Information

MSDS Creation Date 7/16/1996

Revision #0 Date Original.

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