

MATERIAL SAFETY DATA SHEET  
Phenolphthalein

### Section 1 - Chemical Product and Company Identification

<b>MSDS Name:</b>	Phenolphthalein
<b>Catalog Numbers:</b>	14771-0000, 14771-1000, 14771-5000, 41718-0000, 41718-0025, 41718-1000, 41718-5000
<b>Synonyms:</b>	
<b>Company Identification:</b>	Acros Organics BVBA Janssen Pharmaceuticaaan 3a 2440 Geel, Belgium
<b>Company Identification: (USA)</b>	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
<b>For information in the US, call:</b>	800-ACROS-01
<b>For information in Europe, call:</b>	+32 14 57 52 11
<b>Emergency Number, Europe:</b>	+32 14 57 52 99
<b>Emergency Number US:</b>	201-796-7100
<b>CHEMTREC Phone Number, US:</b>	800-424-9300
<b>CHEMTREC Phone Number, Europe:</b>	703-527-3887

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
77-09-8	Phenolphthalein		201-004-7

**Hazard Symbols:** XN



**Risk Phrases:** 22 40

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

*Harmful if swallowed. Limited evidence of a carcinogenic effect.*

#### Potential Health Effects

- Eye:** May cause eye irritation.
- Skin:** May cause skin irritation. May be harmful if absorbed through the skin.
- Ingestion:** Harmful if swallowed. May cause irritation of the digestive tract. Ingestion may cause fever, blood pressure increase and other unspecified vascular effects.
- Inhalation:** May cause respiratory tract irritation. May be harmful if inhaled.
- Chronic:** Limited evidence of a carcinogenic effect.

## Section 4 - First Aid Measures

<b>Eyes:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
<b>Skin:</b>	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
<b>Ingestion:</b>	Get medical aid. Wash mouth out with water.
<b>Inhalation:</b>	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
<b>Notes to Physician:</b>	Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

<b>General Information:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.
<b>Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or chemical foam.

## Section 6 - Accidental Release Measures

<b>General Information:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Spills/Leaks:</b>	Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Do not let this chemical enter the environment.

## Section 7 - Handling and Storage

<b>Handling:</b>	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Avoid ingestion and inhalation. Use only in a chemical fume hood.
<b>Storage:</b>	Store in a cool, dry place. Store in a tightly closed container.

## Section 8 - Exposure Controls, Personal Protection

<b>Engineering Controls:</b>	Use adequate ventilation to keep airborne concentrations low.
<b>Exposure Limits</b>	CAS# 77-09-8:

### Personal Protective Equipment

<b>Eyes:</b>	Wear chemical splash goggles.
<b>Skin:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Respirators:</b>	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Crystalline powder
<b>Color:</b>	almost white
<b>Odor:</b>	odorless
<b>pH:</b>	Not available
<b>Vapor Pressure:</b>	Not available

**Viscosity:** Not available  
**Boiling Point:** Not available  
**Freezing/Melting Point:** 258 - 263 deg C  
**Autoignition Temperature:** Not available  
**Flash Point:** Not available  
**Explosion Limits: Lower:** Not available  
**Explosion Limits: Upper:** Not available  
**Decomposition Temperature:** Not available  
**Solubility in water:** <0.1%  
**Specific Gravity/Density:** 1.299  
**Molecular Formula:** C20H14O4  
**Molecular Weight:** 318.32

### Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Conditions to Avoid:** Incompatible materials, excess heat.  
**Incompatibilities with Other Materials** Strong oxidizing agents.  
**Hazardous Decomposition Products** Carbon monoxide, carbon dioxide.  
**Hazardous Polymerization** Will not occur.

### Section 11 - Toxicological Information

**RTECS#:** CAS# 77-09-8: SM8380000  
**LD50/LC50:** RTECS: Not available.  
**Carcinogenicity:** Phenolphthalein - California: carcinogen, initial date 5/15/98 NTP: Suspect carcinogen  
IARC: Group 2B carcinogen  
**Other:** See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

### Section 12 - Ecological Information

**Other:** Do not empty into drains.

### Section 13 - Disposal Considerations

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

### Section 14 - Transport Information

	<b>IATA</b>	<b>IMO</b>	<b>RID/ADR</b>
<b>Shipping Name:</b>	Not regulated.	Not regulated.	Not regulated.
<b>Hazard Class:</b>			
<b>UN Number:</b>			
<b>Packing Group:</b>			

### Section 15 - Regulatory Information

#### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

R 40 Limited evidence of a carcinogenic effect.

Safety Phrases:

S 36/37 Wear suitable protective clothing and gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 77-09-8: 1

Canada

CAS# 77-09-8 is listed on Canada's DSL List

**US Federal**

TSCA

CAS# 77-09-8 is listed on the TSCA Inventory.

**Section 16 - Other Information**

**MSDS Creation Date:** 7/16/1996

**Revision #4 Date** 1/29/2007

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