

EN

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

2-PHENYLPHENOL, 99+%

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: 2-PHENYLPHENOL, 99+%

Catalog Numbers:

13076-0000, 13076-0050, 13076-5000

Synonyms:

2-Biphenylol, 2-Hydroxybiphenyl

Company Identification (Europe): Acros Organics BVBA
 Janssen Pharmaceuticaaan 3a
 2440 Geel, Belgium

Company Identification (USA): Acros Organics
 One Reagent Lane
 Fairlawn, NJ 07410

For information in North America, call: 800-ACROS-01

For information in Europe, call: 0032(0) 14575211

For emergencies in the US, call CHEMTREC: 800-424-9300

For emergencies in Europe, call: 0032(0) 14575299

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	%	EINECS#	Haz Symbols	Risk Phrases
90-43-7	2-PHENYLPHENOL, 99+%	99+%	201-993-5		

Hazard Symbols: XI N

Risk Phrases: 36/37/38 50

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Irritating to eyes, respiratory system and skin. Very toxic to aquatic organisms.

Potential Health Effects

Eye:

Causes eye irritation.

Skin:

Causes skin irritation.

Ingestion:

May be harmful if swallowed.

Inhalation:

Causes respiratory tract irritation.

Chronic:

Not available.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:

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:

Get medical aid. Wash mouth out with 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.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protective Equipment

Eyes:

Wear chemical goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear a chemical apron.

Respirators:

A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State:	Flakes
Color:	white
Odor:	Not available.
pH:	Not available.
Vapor Pressure:	1 mbar @ 100 deg C
Viscosity:	2.4 mPas 100. deg C
Boiling Point:	282 deg C @ 760.00mm Hg
Freezing/Melting Point:	> 56 deg C
Autoignition Temperature:	> 520 deg C (> 968.00 deg F)
Flash Point:	123 deg C (253.40 deg F)
Explosion Limits, lower:	.10 vol %
Explosion Limits, upper:	.01 vol %
Decomposition Temperature:	
Solubility in water:	IN WATER: 0.7G/L (20•C)
Specific Gravity/Density:	1.2130g/cm3
Molecular Formula:	C12H100
Molecular Weight:	170.21

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:

Not available.

Conditions to Avoid:

Not available.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong bases.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTECS#:

CAS# 90-43-7: DV5775000

LD50/LC50:

CAS# 90-43-7: Draize test, rabbit, eye: 50 ug/24H Severe; Draize test, rabbit, skin: 250 mg; Draize test, rabbit, skin: 20 mg/24H Moderate; Oral, mouse: LD50 = 1050 mg/kg; Oral, rat: LD50 = 2 gm/kg; Oral, rat: LD50 = 2700 mg/kg.

Not available.

Carcinogenicity:

2-PHENYLPHENOL, 99+% -

California: carcinogen; initial date 8/4/00

Other:

See actual entry in RTECS for complete information.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecotoxicity:

Fish toxicity : LC50 (96hr) bluegill sunfish 6 mg/l (Holcombe,G.W. et al Environ.Pollut,Ser.A1984) Invertebrate toxicity : EC50 (2 day) Tetrahymena pyriformis 13.7 mg/l (Schultz,T.W. Ecotoxicol. Environ. Saf. 1987) EC50 (5 min) Photobacterium phosphoreum 2.05 ppm Microtox test (Kaiser,K.L.E. water pollut. res. J.Can.1991)

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

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

**** SECTION 14 - TRANSPORT INFORMATION ****

IATA

No information available.

IMO

No information available.

RID/ADR

No information available.

**** SECTION 15 - REGULATORY INFORMATION ****

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI N

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 50 Very toxic to aquatic organisms.

Safety Phrases:

S 22 Do not breathe dust.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 90-43-7: 2

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 90-43-7 is listed on Canada's DSL List.

CAS# 90-43-7 is listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 90-43-7 is listed on the TSCA inventory.

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 7/16/1996 Revision #1 Date: 5/28/2001

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.
