

EN

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

2,4-Dichlorophenol, 99%

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

MSDS Name: 2,4-Dichlorophenol, 99%

Catalog Numbers:

14772-0000, 14772-0050, 14772-1000

Synonyms:

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
120-83-2	2,4-Dichlorophenol	99%	204-429-6		

Hazard Symbols: T N

Risk Phrases: 22 24 34

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

EMERGENCY OVERVIEW

Harmful if swallowed. Toxic in contact with skin. Causes burns.
 Toxic to aquatic organisms, may cause long-term adverse effects in
 the aquatic environment.

Potential Health Effects

Eye:

Causes eye burns. Causes redness and pain. Contact with the eyes
 may cause corneal damage.

Skin:

Causes skin burns. Causes redness and pain. Toxic in contact with
 skin.

Ingestion:

Harmful if swallowed. Causes gastrointestinal tract burns. May cause
 liver and kidney damage. Methemoglobinemia is characterized by
 dizziness, drowsiness, headache, shortness of breath, cyanosis
 (bluish discoloration of skin due to deficient oxygenation of the
 blood), rapid heart rate and chocolate-brown colored blood. May cause
 hemolytic anemia. Ingestion may cause gastritis, esophagitis,
 vomiting and diarrhea.

Inhalation:

Causes chemical burns to the respiratory tract. Inhalation may be
 fatal as a result of spasm, inflammation, edema of the larynx and
 bronchi, chemical pneumonitis and pulmonary edema. Inhalation may
 produce weakness, fatigue, dizziness, and vertigo.

Chronic:

May cause liver and kidney damage. Prolonged or repeated contact may
 cause possible eczema.

**** 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. Get medical aid immediately.

Skin:

Get medical aid immediately. Immediately 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:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

Treat symptomatically and supportively.

**** 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. Vapors or dust may form explosive mixture with air.

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:

Wash thoroughly after handling. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharges.

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. Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment**Eyes:**

Wear chemical goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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

Physical State: Solid
Color: white to beige
Odor: characteristic odor
pH: Not available.
Vapor Pressure: 18.5mbar @100 deg C
Viscosity: Not available.
Boiling Point: 209 - 210 deg C @760mmHg
Freezing/Melting Point: 41 - 44 deg C
Autoignition Temperature: Not available.
Flash Point: 113 deg C (235.40 deg F)
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature:
Solubility in water: 4.5 g/l (20•C)
Specific Gravity/Density:
Molecular Formula: C6H4Cl2O
Molecular Weight: 163

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

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, ignition sources, excess heat.

Incompatibilities with Other Materials:

Oxidizing agents, acids, acid chlorides, acid anhydrides.

Hazardous Decomposition Products:

Hydrogen chloride, chlorine, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

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

RTECS#:

CAS# 120-83-2: SK8575000

LD50/LC50:

CAS# 120-83-2: Draize test, rabbit, skin: 500 uL/24H Severe; Oral, mouse: LD50 = 1276 mg/kg; Oral, mouse: LD50 = 1276 mg/kg; Oral, mouse: LD50 = 580 mg/kg; Oral, rat: LD50 = 47 mg/kg; Oral, rat: LD50 = 380 mg/kg.

Carcinogenicity:

2,4-Dichlorophenol -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

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

Ecotoxicity:

Fish: Goldfish: LC50 = 7.8 ppm; 24 HDaphnia: EC50 = 1.4 mg/l; 48 h; Fish: Bluegill/Sunfish: LC50 = 2.0 ppm; 96 HFish: Fathead Minnow: LC50 = 8.2 ppm; 96 Hlog Pow: 3.21

Other

Avoid entering into waters or underground water. 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 ****

IATA

Shipping Name: TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.*

Hazard Class: 6.1

UN Number: 2928

Packing Group: II

IMO

Shipping Name: TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.

Hazard Class: 6.1

UN Number: 2928

Packing Group: II

RID/ADR

Shipping Name: TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.

Hazard Class: 6.1

UN Number: 2928

Packing group: II

USA RQ: CAS# 120-83-2: 100 lb final RQ; 45.4 kg final RQ

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

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T N

Risk Phrases:

R 22 Harmful if swallowed.

R 24 Toxic in contact with skin.

R 34 Causes burns.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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

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

WGK (Water Danger/Protection)

CAS# 120-83-2: 3

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 120-83-2 is listed on Canada's DSL List.

CAS# 120-83-2 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

CAS# 120-83-2: Not available.

US FEDERAL

TSCA

CAS# 120-83-2 is listed on the TSCA inventory.

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

MSDS Creation Date: 7/16/1996 Revision #3 Date: 7/18/2002

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.
