1,3-Dichlorobenzene, 98%
ACROS62847

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

MSDS Name: 1,3-Dichlorobenzene, 98%
Catalog Numbers:
AC151180000, AC151180010, AC151180050, AC151180250, AC151181000, AC15118250
AC151182500, AC151185000
Synonyms:
m-Dichlorobenzene; Benzene, 1,3-dichloro-; m-Phenylenedichloride
Company Identification (Europe): Acros Organics N.V.
Janssen Pharmaceuticalaan 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#
541-73-1	1,3-Dichlorobenzene	98	208-792-1

Hazard Symbols: XN N
Risk Phrases: 22 51/53

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

EMERGENCY OVERVIEW
Appearance: Clear - Colorless Liquid. Flash Point: 67 deg C.
Warning! Combustible liquid. Mutagen. May be absorbed through the skin. Harmful if swallowed. Causes eye and skin irritation. Causes digestive and respiratory tract irritation.
Target Organs: Kidneys, liver.

Potential Health Effects
Eye:
Causes eye irritation.
Skin:
Causes skin irritation. May be absorbed through the skin.
Ingestion:
Harmful if swallowed. Causes gastrointestinal irritation with nausea, vomiting and diarrhea.
Inhalation:
Causes respiratory tract irritation.
Chronic:
Chronic exposure may cause liver damage. Chronic exposure may cause kidney damage.

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

Eyes:

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. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:

Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation:

Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

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. Water runoff can cause environmental damage. Dike and collect water used to fight fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Combustible Liquid. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated.

Extinguishing Media:

Do NOT get water inside containers. For small fires, use dry chemical, carbon dioxide, or water spray. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. Cool containers with flooding quantities of water until well after fire is out.

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

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

Spills/Leaks:

Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Provide ventilation. Cover with dry earth, dry sand, or other non-combustible material followed with plastic sheet to minimize spreading and contact with water. Stop leak only if you can do so without risk.

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

Handling:

Wash thoroughly after handling. Use only in a well ventilated area. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with

heat, sparks and flame. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage:

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

**** 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.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA-FinalPELs
1,3-Dichlorobenzene	none listed	none listed	none listed

OSHA Vacated PELs:

1,3-Dichlorobenzene:

No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

A respiratory protection program that meets OSHA's 29 CFR §1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

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

Physical State:	Liquid
Appearance:	Clear - Colorless Liquid
Odor:	None reported.
pH:	Not available.
Vapor Pressure:	1.8 hPa @ 20 C
Vapor Density:	5.07
Evaporation Rate:	Not available.
Viscosity:	1.045 cP 23 de
Boiling Point:	172.0 - 173.0 deg C @ 760.00m

Freezing/Melting Point:	-24 deg C
Autoignition Temperature:	640 deg C (1,184.00 deg F)
Flash Point:	67 deg C (152.60 deg F)
NFPA Rating:	(est.) Health: 2; Flammability: 2; Reactivity: 0
Explosion Limits, Lower:	Not available.
Upper:	Not available.
Decomposition Temperature:	>300 deg C
Solubility:	Insoluble.
Specific Gravity/Density:	1.2880g/cm3
Molecular Formula:	C6H4Cl2
Molecular Weight:	147.00

**** 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:
Strong oxidizing agents, aluminum.
Hazardous Decomposition Products:
Hydrogen chloride, carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

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

RTECS#:
CAS# 541-73-1: CZ4499000
LD50/LC50:
Not available.
Carcinogenicity:
1,3-Dichlorobenzene -
IARC: Group 3 carcinogen
Epidemiology:
No information.
Teratogenicity:
No data available.
Reproductive Effects:
No information.
Neurotoxicity:
No information.
Mutagenicity:
Gene conversion and mitotic recombination: Saccharomyces cerevisiae =5ppm.; Micronucleus test-Intraperitoneal, mouse = 175 mg/kg/24H.
Other Studies:
No data available.

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

Ecotoxicity:
Fish: Fathead Minnow: 12.7 mg/L; 96 Hr; Static BioassayExperimental BCF Values of 89-740 reported, and 1,3-Dichlorobenzene was detected in trout in Lake Ontario. Koc values of 12600-31600 calculated from sediment/water monitoring data in Great Lakes Area. An experimental Koc value of 293 was calculated in a silt loam soil containing 1.9% organic matter. 1,3-Dichlorobenzene can be moderately to highly absorbed to soil. Leaching can occur.

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

Chemical waste generators must determine whether a discarded chemical is class if as a hazardous waste.
US EPA guidelines for the classification determination are listed in 40 CFR Part Additionally, waste generators must consult state and local hazardous waste regu ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: CAS# 541-73-1: waste number U071.

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

US DOT
Shipping Name: TOXIC LIQUID, ORGANIC, N.O.S.
(1,3-DICHLOROBENZENE)
Hazard Class: 6.1
UN Number: UN2810
Packing Group: III
Canadian TDG
Shipping Name: TOXIC LIQUID ORGANIC NOS (1,3 - DICHLOROBENZENE)
Hazard Class: 6.1
UN Number: UN2810

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

US FEDERAL
TSCA
CAS# 541-73-1 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
CAS# 541-73-1: 4/12b
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
SARA
Section 302 (RQ)
CAS# 541-73-1: final RQ = 100 pounds (45.4 kg)
Section 302 (TPQ)
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 541-73-1: acute, chronic, flammable.
Section 313
This material contains 1,3-Dichlorobenzene (CAS# 541-73-1, 98%),which
is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 372.
Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous

Substances under the CWA.
CAS# 541-73-1 is listed as a Priority Pollutant under the Clean Water Act.
CAS# 541-73-1 is listed as a Toxic Pollutant under the Clean Water Act.

OSHA:

None of the chemicals in this product are considered highly Hazardous by OSHA.

STATE

1,3-Dichlorobenzene can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts.

California No Significant Risk Level:

None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN N

Risk Phrases:

R 22 Harmful if swallowed.
R 51/53 Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

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

WGK (Water Danger/Protection)

CAS# 541-73-1: 2

United Kingdom Occupational Exposure Limits

Canada

CAS# 541-73-1 is listed on Canada's DSL/NDSL List.
This product has a WHMIS classification of B3, D1B, D2A.
CAS# 541-73-1 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

CAS# 541-73-1: Not available.

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

MSDS Creation Date: 11/03/1998 Revision #2 Date: 8/02/2000

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.
