



# Zemuron

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Language: EN

Country:

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

SPIRONOLACTONE, 99% (TLC)

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

MSDS Name: SPIRONOLACTONE, 99% (TLC)

Catalog Numbers:

20746-0000, 20746-0010

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 |
|---------|---------------------------|----|-----------|-------------|--------------|
| 52-01-7 | SPIRONOLACTONE, 99% (TLC) | 99 | 200-133-6 |             |              |

Hazard Symbols: XN

Risk Phrases: 40

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

EMERGENCY OVERVIEW

Limited evidence of a carcinogenic effect.

Potential Health Effects

The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

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

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

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:

\*\*\*\* 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:  
Use agent most appropriate to extinguish fire.

\*\*\*\* 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.

\*\*\*\* 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.

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

Engineering Controls:  
Use process enclosure, local exhaust ventilation, or other  
engineering controls to control airborne levels.  
Personal Protective Equipment

Eyes:  
Wear chemical goggles.

Skin:  
Wear appropriate protective gloves to prevent skin  
exposure.

Clothing:  
Wear appropriate protective clothing to minimize  
contact with skin.

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:            | Powder                |
| Color:                     | white - yellow-white  |
| Odor:                      | Not available.        |
| pH:                        | Not available.        |
| Vapor Pressure:            | Not available.        |
| Viscosity:                 | Not available.        |
| Boiling Point:             | Not available.        |
| Freezing/Melting Point:    | 198.00 - 207.00 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:       | practically insoluble |
| Specific Gravity/Density:  |                       |
| Molecular Formula:         | C24H32O4S             |
| Molecular Weight:          | 416.57                |

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

Chemical Stability:  
Stable under normal temperatures and pressures.

Conditions to Avoid:  
Incompatible materials.

Incompatibilities with Other Materials:  
Strong oxidizing agents.

Hazardous Decomposition Products:  
Irritating and toxic fumes and gases.

Hazardous Polymerization: Not available.

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

RTECS#:  
CAS# 52-01-7: TU4725000

LD50/LC50:  
CAS# 52-01-7: Oral, mouse: LD50 = >1 gm/kg; Oral, rabbit: LD50 = >1  
gm/kg; Oral, rat: LD50 = >1 gm/kg.

Carcinogenicity:  
SPIRONOLACTONE, 99% (TLC) -  
California: carcinogen; initial date 5/1/97  
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  
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: XN  
Risk Phrases:  
R 40 Limited evidence of a carcinogenic effect.  
Safety Phrases:  
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# 52-01-7: 1  
United Kingdom Occupational Exposure Limits  
United Kingdom Maximum Exposure Limits  
Canada  
CAS# 52-01-7 is listed on Canada's NDSL List.  
CAS# 52-01-7 is not listed on Canada's Ingredient Disclosure List.  
Exposure Limits  
US FEDERAL  
TSCA  
CAS# 52-01-7 is listed on the TSCA inventory.

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

MSDS Creation Date: 7/16/1996 Revision #0 Date: Original.

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