

MSDS# 06577

Section 1 - Chemical Product and Company Identification

MSDS Name: D-Panthenol
 Catalog Numbers: AC232800000, AC232800100, AC232801000, AC232805000
 Synonyms: (R)-2,4-Dihydroxy-N-(3-hydroxypropyl)-3,3-dimethylbutanamide.
 Company Identification: Acros Organics BVBA
 Janssen Pharmaceuticaalaa 3a
 2440 Geel, Belgium
 Company Identification: (USA) Acros Organics
 One Reagent Lane
 Fair Lawn, NJ 07410
 For information in the US, call: 800-ACROS-01
 For information in Europe, call: +32 14 57 52 11
 Emergency Number, Europe: +32 14 57 52 99
 Emergency Number US: 201-796-7100
 CHEMTREC Phone Number, US: 800-424-9300
 CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 81-13-0
 Chemical Name: D-Panthenol
 %: 98+
 EINECS#: 201-327-3

Hazard Symbols: None listed

Risk Phrases: None listed

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Caution! Hygroscopic (absorbs moisture from the air). May cause eye, skin, and respiratory tract irritation. Target Organs: None known.

Potential Health Effects

Eye: May cause eye irritation.
 Skin: May cause skin irritation. May be harmful if absorbed through the skin.
 Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.
 Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.
 Chronic: No information found.

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. If irritation develops, get medical aid.
 Skin: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
 Ingestion: Do not induce vomiting. Get medical aid if irritation or symptoms occur.
 Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If

breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

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.
 Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition: Not applicable.

Temperature:

Flash Point: 140 - 161 deg C

Explosion Limits: Not available

Lower:

Explosion Limits: Not available

Upper:

NFPA Rating: health: 1; flammability: 1; instability: 1;

Section 6 - Accidental Release Measures

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

Spills/Leaks: Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a tightly closed container. Store in a dry area. Keep refrigerated. (Store below 4°C/39°F.)

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
D-Panthenol	none listed	none listed	none listed

OSHA Vacated PELs: D-Panthenol: None listed

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

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 respirator use.

Section 9 - Physical and Chemical Properties

Physical State: solid or liquid

Color: clear colorless to slightly yellow

Odor: None reported.

pH: 9 - 10.5 (10% aq.sol.)

Vapor Pressure: Not available

Vapor Density: 7.08

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 118 - 120 deg C @ 2.7 Pa

Freezing/Melting Point: Not available

Decomposition Temperature: Not available

Solubility in water: freely soluble

Specific Gravity/Density: 1.200

Molecular Formula: C9H19NO4

Molecular Weight: 205.26

Section 10 - Stability and Reactivity

Chemical Stability: Hygroscopic; absorbs moisture or water from the air.

Conditions to Avoid: Incompatible materials, dust generation, exposure to moist air or water, temperatures above 75°C (167°F).

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 81-13-0: ES4316000

RTECS:

CAS# 81-13-0: Draize test, rabbit, eye: 500 ug Mild;

LD50/LC50: Draize test, rabbit, skin: 500 mg/4H Mild;

Oral, mouse: LD50 = 15 gm/kg;

Carcinogenicity: D-Panthenol - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: Not available

Teratogenicity: Not available

Reproductive: Not available

Neurotoxicity: Not available

Mutagenicity: Not available

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

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.

Section 14 - Transport Information

US DOT
 Shipping Name: Not regulated.
 Hazard Class:
 UN Number:
 Packing Group:
 Canada TDG
 Shipping Name: Not available
 Hazard Class:
 UN Number:
 Packing Group:

Section 15 - Regulatory Information

US Federal

TSCA
 CAS# 81-13-0 is listed on the TSCA
 Inventory.

Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.
 Section 12b Rules: None of the chemicals in this product are under a Chemical Test Rule.
 Section 12b: None of the chemicals are listed under TSCA Section 12b.
 TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs: None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

Section 313: No chemicals are reportable under Section 313.

Clean Air Act: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act: None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: D-Panthenol is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

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: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 81-13-0: 0

Canada

CAS# 81-13-0 is listed on Canada's DSL List

Canadian WHMIS Classifications: Not available

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 81-13-0 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: 9/02/1997

Revision #8 Date 8/29/2007

Revisions were made in Sections: 3, 4, 5, 6, 7, 8, 9, 10, 11, 1

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