1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

   Product information
   
   Product Name: A&D Zinc oxide Cream
   SDS Number: 122000013608

   Use: Consumer

   Company
   BAYER HEALTHCARE LLC
   Consumer Care
   100 Bayer Boulevard PO Box 915
   Whippany, NJ 07981-0915
   UNITED STATES OF AMERICA
   (800) 743-5423

   In case of emergency: (800) 331-4536
   Chemtrec: (800) 424-9300
   BAYER INFORMATION PHONE:(800) 331-4536 OR (800) 743-5423

2. HAZARDS IDENTIFICATION

   Emergency Overview

   Colour: white  Form: liquid  Odour: characteristic.

   GHS Classification:
   Not a dangerous substance / mixture according to GHS.

   GHS Label element:
   This material is not subject to the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Weight percent</th>
<th>Components</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3%</td>
<td>Propane-1,2-diol</td>
<td>57-55-6</td>
</tr>
<tr>
<td>10%</td>
<td>Zinc oxide</td>
<td>1314-13-2</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

**General advice:** No hazards which require special first aid measures.

**If inhaled:** Not an expected entry route.

**In case of skin contact:** If skin irritation persists, call a physician.

**In case of eye contact:** Immediately flush eye(s) with plenty of water.

**If swallowed:** Rinse mouth with water. Consult a physician if necessary.

**Contact Number:** Use the Bayer Emergency Number in Section 1

5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media:** High volume water jet

**Specific hazards during firefighting:** Fire may cause evolution of: Carbon monoxide (CO) Carbon dioxide (CO2)

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.

**Further information:** Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment.

**Methods for cleaning up:** Cover spilled product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labeled, closable containers.

**Additional advice:** No special precautions required.

**Further Accidental Release Notes**

No special precautions required.
7. HANDLING AND STORAGE

Handling:
Industrial uses: No special handling advice required.

No special protective measures against fire required.

Storage:
Do not use after expiration date.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Zinc oxide (1314-13-2)
US. ACGIH Threshold Limit Values
Time Weighted Average (TWA): 2 mg/m³ (Respirable fraction.)

US. ACGIH Threshold Limit Values
Short Term Exposure Limit (STEL): 10 mg/m³ (Respirable fraction.)

US. NIOSH: Pocket Guide to Chemical Hazards
Recommended exposure limit (REL): 5 mg/m³ (Dust.)

US. NIOSH: Pocket Guide to Chemical Hazards
Recommended exposure limit (REL): 5 mg/m³ (Fume.)

US. NIOSH: Pocket Guide to Chemical Hazards
Ceiling Limit Value and Time Period (if specified): 15 mg/m³ (Dust.)

US. NIOSH: Pocket Guide to Chemical Hazards
Short Term Exposure Limit (STEL): 10 mg/m³ (Fume.)

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Permissible exposure limit: 15 mg/m³ (Total dust.)

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Permissible exposure limit: 5 mg/m³ (Fume.)

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Permissible exposure limit: 5 mg/m³ (Respirable fraction.)

Propane-1,2-diol (57-55-6)
US. OARS. WEELs Workplace Environmental Exposure Level Guide
Time Weighted Average (TWA): 10 mg/m³ (Aerosol.)

Paraffin solid (8002-74-2)
US. ACGIH Threshold Limit Values
Time Weighted Average (TWA): 2 mg/m³ (Fume.)

US. NIOSH: Pocket Guide to Chemical Hazards
Recommended exposure limit (REL): 2 mg/m³ (Fume.)

Respiratory protection:
Recommended Filter type: Organic vapor with prefilter

None required for consumer use of this product.
Hand protection:
Chemically resistant gloves.
None required for consumer use of this product.

Eye protection:
Safety glasses
None required for consumer use of this product.

Hygiene measures:
Cleanliness Guidelines (GMP) for manufacturing of drugs must be observed!

Other protective measures:
Wear suitable protective equipment.
Please consult label for end-user requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid
Colour: white
Odour: characteristic
Odour Threshold: No applicable information is available
Melting point: No applicable information is available
Boiling point/boiling range: No applicable information is available
Density: No applicable information is available
Bulk density: No applicable information is available
Vapour pressure: No applicable information is available
Viscosity, dynamic: No applicable information is available
Viscosity, kinematic: No applicable information is available
Flow time: No applicable information is available
Surface tension: No applicable information is available
Miscibility with water: No applicable information is available
Water solubility: No applicable information is available
pH: No applicable information is available
Relative density: No applicable information is available
Partition coefficient: No applicable information is available
Solubility(ies): No applicable information is available
Flash point: No applicable information is available
Flammability (solid, gas): No applicable information is available
Ignition temperature: No applicable information is available
Explosion limits: No applicable information is available

10. STABILITY AND REACTIVITY

Conditions to avoid: No data available
Materials to avoid: Oxidizing agents

Hazardous reactions: None known.

Thermal decomposition:
No data available

Hazardous decomposition products:
Carbon monoxide (CO), Carbon dioxide (CO2)

Oxidizing properties:
No statements available.

Impact sensitivity:
No data available

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:
Paraffin solid
LD50 Rat: > 5,000 mg/kg

Propane-1,2-diol
LD50 Rat: 22,000 mg/kg
The substance or mixture has no acute oral toxicity

Zinc oxide
LD50 Rat: > 15,000 mg/kg
Method: OECD 401

Acute inhalation toxicity:
Paraffin solid
LC0 Rat: 0.210 mg/l

Propane-1,2-diol
LC50 Rabbit: > 317 mg/l, 2 h
The substance or mixture has no acute inhalation toxicity

Zinc oxide
LC50 Rat: > 5.7 mg/l, 4 h

Acute dermal toxicity:
Paraffin solid
LD50 Rabbit: > 4,000 mg/kg

Propane-1,2-diol
LD50 Rabbit: > 5,000 mg/kg
The substance or mixture has no acute dermal toxicity
**Skin irritation:**
Paraffin solid  
Rabbit  
Result: Mild skin irritation  
Method: Draize Test

Propane-1,2-diol  
Rabbit  
Result: No skin irritation

Zinc oxide  
Rabbit  
Result: No skin irritation  
Method: OECD 404

**Eye irritation:**
Paraffin solid  
Rabbit  
Result: Mild eye irritation  
Method: Draize Test

Propane-1,2-diol  
Rabbit  
Result: No eye irritation

Zinc oxide  
Rabbit  
Result: No eye irritation  
Method: OECD 405

**Sensitisation:**
Paraffin solid  
Result: Does not cause skin sensitisation.

Propane-1,2-diol  
Human experience  
Result: Does not cause skin sensitisation.

guinea pig  
Result: Does not cause skin sensitisation.  
Method: OECD 406

Zinc oxide  
Human experience  
Result: Does not cause skin sensitisation.

guinea pig  
Result: Does not cause skin sensitisation.  
Method: Magnusson and Kligmann maximization test
Subacute, subchronic and prolonged toxicity:
Propane-1,2-diol
NOEL 50,000 mg/kg, Rat Oral, Exposure time 24 month

NOEL 1 mg/l, Rat Inhalation, Exposure time 3 month
Number of exposures: Once daily

Zinc oxide
NOEL 50mg/kg/d

Genotoxicity in vitro:
Propane-1,2-diol
Ames test Bacteria
Dose: yes
Result: negative
Method: OECD 471

Mammalian cells
Result: negative
Method: OECD 476

Zinc oxide
Ames test
Result: negative

Genotoxicity in vivo:
Propane-1,2-diol

Result: negative
Method: OECD 478

Zinc oxide

Result: No indication of mutagenic effects.

Carcinogenicity:
Propane-1,2-diol
Rat:
Exposure time: 2 a
Number of exposures: Once daily
Result: negative

Zinc oxide
Result: Animal testing did not show any carcinogenic effects.

Reproductive toxicity:
Propane-1,2-diol
Application Route: Oral
Rat, female: Test period: 18 d
NOAEL: 1600 mg/kg
Result: Animal testing did not show any effects on fertility.

Zinc oxide
Result: Animal testing did not show any effects on fertility.
Teratogenicity:
Propane-1,2-diol
Rat, male: Number of exposures: Once daily
Test period: 15 d
NOAEL: 1600 mg/l
Result: No indication of teratogenic effects.

Zinc oxide
Result: Did not show teratogenic effects in animal experiments.

Carcinogenicity:
No Carcinogenic substances as defined by IARC, NTP and/or OSHA

Experience with human exposure:
Components:
1314-13-2:
no zinc fever

STOT - single exposure:
No data available
STOT - repeated exposure:
No data available

12. ECOLOGICAL INFORMATION

General advice:
Do not allow to enter surface waters or groundwater. No data is available on the product itself.

Toxicity to fish:
Paraffin solid
Method: DIN 38412
No toxic effects.

Propane-1,2-diol
Acute Fish toxicity: LC50 40,613 mg/l
Test species: Pimephales promelas (fathead minnow) Duration of test: 96 h

Zinc oxide
LC50 1.1 mg/l
Test species: Oncorhynchus mykiss (rainbow trout) Duration of test: 96 h

Toxicity to daphnia and other aquatic invertebrates:
Propane-1,2-diol
LC50 18,340 mg/l
Test species: Ceriodaphnia dubia (water flea) Duration of test: 48 h

Zinc oxide
EC50 > 1,000 mg/l
Test species: Daphnia magna (Water flea) Duration of test: 48 h
Toxicity to algae:
Propane-1,2-diol
IC50 19,100 mg/l
tested on: Pseudokirchneriella subcapitata (green algae)

Zinc oxide
Growth rate EC50 0.17 mg/l
tested on: Scenedesmus capricornutum (fresh water algae) Duration of test: 72 h

Toxicity to bacteria:
Propane-1,2-diol
NOEC 20,000 mg/l
tested on: Pseudomonas putida
Duration of test: 18 h

Biodegradability:
Paraffin solid
rapidly biodegradable
Method: OECD 301 B

Propane-1,2-diol
87 - 92 %, 28 d rapidly biodegradable
Method: OECD 301 C

Bioaccumulation:
Propane-1,2-diol

Bioconcentration factor (BCF)
0.09

13. DISPOSAL CONSIDERATIONS

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

14. TRANSPORT INFORMATION

Land transport (CFR)
non-regulated

US Sea transport (IMDG)
non-regulated

US Air transport (ICAO / IATA cargo aircraft only)
15. REGULATORY INFORMATION

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components
None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Components
None

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components
None

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California Prop. 65
To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

OSHA Hazcom Standard Rating     Not subject to OSHA

16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.