

Material Safety Data Sheet

acc. to ISO/DIS 11014







Printing date 09/17/2008

Reviewed on 09/17/2008

1 Identification of substance

- **Product details**
- **Trade name:** *RT 5960 Cleaning Towels*
- **Application of the substance / the preparation** *Cleaning material/ Detergent*
- **Manufacturer/Supplier:**
Aldo Products Company, Inc.
1604 N. Main St.
Kannapolis, N.C. 28081, USA (800) 474-601-49
- **Information department:** *Industrial Safety Department*
- **Emergency information:** *Infotrac +1 352 323 3500*

2 Composition/Data on components

- **Chemical characterization**
 - **Description:** *Cleansing agent*
 - **Dangerous components:**
- | | |
|--|-----------|
| 64-17-5 ethanol | 25-<50% |
| Danger:  2.6/2 | |
| 106-65-0 dimethyl succinate | 1.0-<5% |
| Warning:  3.3/2A; 2.6/4 | |
| 24938-91-8 Tridecyl alcohol, ethoxylated | 1.0-<5% |
| Danger:  3.1.O/3;  3.3/1 | |
| 122-99-6 2-Phenoxyethanol | 0.1-<1.0% |
| Danger:  3.1.O/3, 3.3/2A | |
| 64-02-8 tetrasodium ethylenediaminetetraacetate | 0.1-<1.0% |
| Danger:  3.1.O/3 | |

3 Hazards identification

- **Hazard description:** *Not applicable.*
- **Information pertaining to particular dangers for man and environment:** *Not applicable.*
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **GHS label elements** *Void*

4 First aid measures

- **General information:** *No special measures required.*

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5 Fire fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**
Pick up mechanically.
Dispose of the collected material according to regulations.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from frost.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**

64-17-5 ethanol

PEL 1900 mg/m³, 1000 ppm
 REL 1900 mg/m³, 1000 ppm
 TLV 1880 mg/m³, 1000 ppm

56-81-5 glycerol

PEL 15* 5** mg/m³
 *total dust **respirable fraction
 TLV 10 ppm

25322-68-3 Polyethylenglycol

WEEL 10 mg/m³

68139-91-3 Polyethylenglycol Dicocoat

WEEL 10 mg/m³

61791-29-5 Polyethylenglycol Monococoat

WEEL 10 mg/m³

- **Additional information:** The lists that were valid during the creation were used as basis.

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- **Personal protective equipment:**
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Eye protection:** Not required.

9 Physical and chemical properties

· General Information

Form: Liquid on inert carrier material
Color: White
Odor: Characteristic

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 100°C (212°F)

- **Flash point:** Not applicable.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C (68°F):** 1 g/cm³
- **Solubility in / Miscibility with Water:** Soluble.
- **pH-value at 20°C (68°F):** 6.5 (ISO 976)
- **Solvent content:**
- **VOC content:** 43.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

64-17-5 ethanol

Oral LD50 7060 mg/kg (rat)
 Dermal LD50 >20000 mg/kg (rabbit)
 Inhalative LC50/4h 124.7 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

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· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

· **Ecotoxicological effects:**

· **Acquatic toxicity:**

64-17-5 ethanol

EC5/72h >1000 mg/l (*Pseudomonas putida*)

EC50/48h >5000 mg/l (*Daphnia magna*)

IC50/72h >100 mg/l (*Scenedesmus subspicatus*)

LC50/96h >2000 mg/l (*Leuciscus idus*)

· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

· **Product:**

· **Recommendation:**

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

· **Uncleaned packagings:**

· **Recommendation:** *Disposal must be made according to official regulations.*

14 Transport information

· **DOT regulations:**

· **Hazard class:** -

· **Land transport ADR/RID (cross-border):**

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

· **UN "Model Regulation":** -

15 Regulations

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

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· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed or are not required to be listed on the TSCA inventory.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

64-17-5 ethanol

· **Carcinogenicity categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

64-17-5 ethanol: NIEHS 1988

627-93-0 dimethyl adipate: U.S. CPSC 1994

· **Product related hazard informations:**

As a cosmetic preparation, the product is not subject to the provisions of the Chemical Law and the Ordinance on Hazardous Materials. However, general safety regulations should be observed.

· **Safety phrases: Keep out of the reach of children.**

· **National regulations:**

· **Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.**

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS: Industrial Safety Department.**

· **Contact: Dr. Thomas Wieland**

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LD50: Lethal dose, 50 percent