

# Material Safety Data Sheet

**ECOLAB**

LOW AND BEHOLD

## Section 1. Chemical product and company identification

Trade name : LOW AND BEHOLD  
Product use : Floor care product  
Supplier : Ecolab Inc. Professional Products Division  
370 N. Wabasha St.  
St. Paul, MN 55102  
1-800-247-5362  
Code : 903743  
Date of issue : 24-August-2005

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

## Section 2. Composition, information on ingredients

Name	CAS number	% by weight
naphtha (petroleum), hydrotreated heavy	64742-48-9	20 - 50
fatty acids, tall-oil	61790-12-3	1 - 5
triethanolamine	102-71-6	1 - 5
alcohols, c12-16, ethoxylated	68551-12-2	1 - 5

## Section 3. Hazards identification

Physical state : Liquid. (Liquid.)  
Emergency overview : CAUTION!

MAY CAUSE ALLERGIC SKIN REACTION.  
MAY CAUSE EYE AND SKIN IRRITATION.  
COMBUSTIBLE LIQUID AND VAPOR. VAPOR MAY CAUSE FIRE.  
HARMFUL IF SWALLOWED. MAY BE FATAL IF SWALLOWED.  
Aspiration hazard if swallowed. Can enter lungs and cause damage.  
Can cause central nervous system depression.  
Avoid contact with skin and clothing. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

### Potential acute health effects

Eyes : Moderately irritating to eyes.  
Skin : Moderately irritating to the skin. May cause sensitization by skin contact.  
Inhalation : High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.  
Ingestion : Harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage.  
See toxicological information (section 11)

## Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention if irritation persists.  
Skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.  
Inhalation : If inhaled, remove to fresh air.  
Ingestion : Rinse mouth; then drink one or two large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.

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**Section 5. Fire fighting measures**

**Flash point** : 65.5556 °C (Closed cup)  
**Fire-fighting media and instructions** : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.

Dike area of fire to prevent runoff.  
 Combustible liquid and vapor. May burn, but does not ignite readily. Under high temperatures or under moderate heating might release vapor in sufficient quantities to produce hazardous atmospheres with air.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Section 6. Accidental release measures**

**Personal precautions** : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Prevent entry into sewers, water courses, basements or confined areas.  
**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  
**Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.-

**Section 7. Handling and storage**

**Handling** : Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Wash thoroughly after handling.  
**Storage** : Keep out of the reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).  
 Store between 15 and 50°C

**Section 8. Exposure controls, personal protection**

**Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

**Personal protection**

**Eyes** : Eye protection recommended.  
**Hands** : Use chemical-resistant, impervious gloves.  
**Skin** : Wear suitable protective clothing.  
**Respiratory** : No protective equipment is needed under normal use conditions.

**Name** triethanolamine  
**Exposure limits**  
**ACGIH TLV (United States, 1/2004).**  
 TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: All forms

**Section 9. Physical and chemical properties**

**Physical state** : Liquid. (Liquid.)  
**Color** : White.  
**Odor** : Fragrance-like.  
**pH** : 8 (100%)  
**Boiling/condensation point** : >100 °C  
**Specific gravity** : 0.911 (Water = 1)

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**Section 10. Stability and reactivity**

Stability : The product is stable.  
 Reactivity : Slightly reactive to reactive with acids.

**Section 11. Toxicological information**

**Potential acute health effects**

Eyes : Moderately irritating to eyes.  
 Skin : Moderately irritating to the skin. May cause sensitization by skin contact.  
 Inhalation : High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.  
 Ingestion : Harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage.

**Section 12. Ecological information**

Products of degradation : These products are carbon oxides (CO, CO<sub>2</sub>) and water, nitrogen oxides (NO, NO<sub>2</sub> etc.).

**Section 13. Disposal considerations**

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

**Section 14. Transport information**

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	Not regulated.	-	-	-	-

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

**Section 15. Regulatory information**

HCS Classification : Combustible liquid  
 Irritating material  
 Sensitizing material  
 U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: None.  
 SARA 302/304 emergency planning and notification: None.  
 TSCA 8(b) inventory : All materials are listed or exempt.  
 California Prop. 65 : No products were found.

**Section 16. Other information**

Hazardous Material Information System (U.S.A.) :

Health	1
Fire hazard	2
Reactivity	0
Personal protection	B

Date of issue : 24-August-2005.  
 Responsible name : Regulatory Affairs  
 Date of previous issue : 24-August-2005.

Notice to reader

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The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

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