

Material Safety Data Sheet



ENDUST

Section 1. Chemical product and company identification

Trade name : ENDUST
Product use : Furniture Cleaner - Care Product
Supplier : Ecolab Co.
5105 Tomken Road
Mississauga ON L4W 2X5
1-800-352-5326
Code : 907261
Date of issue : 26-April-2007

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

<u>Name</u>	<u>CAS number % by weight</u>	
Petroleum distillates	64741-89-5	10 - 30
isobutane	75-28-5	7 - 13
naphtha (petroleum), hydrotreated heavy	64742-48-9	5- 10
terpenes and terpenoids, sweet orange-oil	68647-72-3	1 - 5
propane	74-98-6	1 - 5

Section 3. Hazards identification

Physical state : Liquid. [Aerosol.]
Emergency overview : WARNING!
FLAMMABLE LIQUID AND VAPOUR.
CONTENTS UNDER PRESSURE.
HARMFUL IF SWALLOWED.
MAY BE FATAL IF SWALLOWED.
Aspiration hazard if swallowed. Can enter lungs and cause damage.
Intentional misuse by deliberate inhalation may be harmful or fatal. Can cause central nervous system depression.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapours, spray or mists. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Routes of entry : Skin contact, Eye contact, Inhalation, Ingestion
Potential acute health effects
Eyes : Moderately irritating to eyes.
Skin : Slightly irritating to the skin. May cause sensitisation by skin contact.
Inhalation : Moderately irritating to the respiratory system. High vapour 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** : Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- 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.

Section 5. Fire-fighting measures

- Auto-ignition temperature** : Not available.
- Flammable limits**
- Upper:** Not available.
- Lower:** Not available.
- Products of combustion** : Not available.
- Fire-fighting media and instructions** : In case of fire, use water spray (fog), foam, dry chemical or CO₂. Cool closed containers exposed to fire with water. Bursting aerosol containers may be propelled from a fire at high speed.
Dyke liquid for later disposal.
Flammable liquid and vapour. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
Runoff to sewer may create fire or explosion hazard.
- 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.

Risk of explosion of the product in the presence of mechanical impact: Not available.

Risk of explosion of the product in the presence of static discharge: Not available.

Section 6. Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment. Do not touch or walk through spilt material.
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilt 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, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

Section 7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapour or mist. 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. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight. Avoid all possible sources of ignition (spark or flame). Store between the following temperatures: 0 and 40°C

Section 8. Exposure controls, personal protection

Engineering measures : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits.

Personal protection :

Eyes : Eye protection recommended.
Hands : Use chemical-resistant, impervious gloves.
Skin : No protective equipment is needed under normal use conditions.
Respiratory : Avoid breathing vapours, spray or mists.

Name

isobutane

Exposure limits

ACGIH TLV (United States, 1/2006).

TWA: 1000 ppm 8 hour(s).

propane

ACGIH TLV (United States, 1/2006).

TWA: 1000 ppm 8 hour(s).

Section 9. Physical and chemical properties

Physical state : Liquid. [Aerosol.]
Colour : White.
Odour : Fragrance-like.
pH : Not applicable.
Boiling/condensation point : Not available.
Melting/freezing point : Not available.
Specific gravity : 0.9
Vapour pressure : Not available.
Vapour density : Not available.
Odour threshold : Not available.
Evaporation rate : Not available.
LogK_{ow} : Not available.
Solubility : Partially soluble in cold water, hot water.

Section 10. Stability and reactivity

Stability : The product is stable.
Conditions of instability : Not available.
Reactivity : Slightly reactive to reactive with oxidising agents.
Hazardous Decomposition : Not available.
Products

Section 11. Toxicological information

Potential acute health effects

Eyes : Moderately irritating to eyes.
Skin : Slightly irritating to the skin. May cause sensitisation by skin contact.
Inhalation : Moderately irritating to the respiratory system. High vapour 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.
Irritancy of Product : Hazardous by WHMIS criteria.

Potential chronic health effects

Carcinogenic effects : No known significant effects or critical hazards.
Mutagenic effects : No known significant effects or critical hazards.
Teratogenic effects : No known significant effects or critical hazards.
Reproductive effects : No known significant effects or critical hazards.
Sensitization to Product : May cause sensitisation by skin contact.

Synergistic products (toxicologically) : Not available.

Toxicity data

Not available.

Target organs : Contains material which causes damage to the following organs: the nervous system, central nervous system (CNS).

Section 12. Ecological information

Ecotoxicity

Ingredient name

Species

Period

Not available.

Section 13. Disposal considerations

Waste disposal : Do not puncture or incinerate container.

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
TDG Classification	-	Consumer commodity	-	I	-

APPLIES ONLY DURING ROAD TRANSPORT

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

Section 15. Regulatory information

WHMIS

: Class A: Compressed gas.
Class B-5: Flammable aerosol.
Class D-2B: Material causing other toxic effects (Toxic).

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

Section 16. Other information

Date of issue : 26-April-2007.

Responsible name : Regulatory Affairs

Date of previous issue : 26-April-2007.

Notice to reader

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.