

Material Safety Data Sheet

TRIPLE X

ECOLAB®

31478

31478

Section 1. Chemical product and company identification

Trade name : TRIPLE X
Product use : Floor care product
Supplier : Ecolab Inc. Professional Products Division
370 N. Wabasha St.
St. Paul, MN, 55102
1-800-247-5362
Code : 920531
Date of issue : 14-June-2006
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
2-butoxyethanol	111-76-2	4
Distillates (petroleum), hydrorefined/light	64742-47-8	20 - 50
Stoddard solvent	8052-41-3	20 - 50

Section 3. Hazards identification

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

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. MAY CAUSE RESPIRATORY TRACT AND EYE IRRITATION. Repeated or prolonged contact with irritants may cause dermatitis. Do not ingest. Avoid contact with eyes. Avoid breathing vapor or mist. 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 : Slightly irritating to the skin.
Inhalation : Moderately irritating to the respiratory system. 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 : Wash with soap and water. Get medical attention if irritation develops. Wash clothing before use.
Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
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

Flash point : 41,1111 °C (Closed cup)
Fire-fighting media and instructions : In case of fire, use water spray (fog), foam, dry chemical or CO₂.
Dike area of fire to prevent runoff.
Special protective equipment : 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 : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Do not touch or walk through spilled material.
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 it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

Handling : Do not ingest. Avoid contact with eyes. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. 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 -5 and 35°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 : No protective equipment is needed under normal use conditions.
Respiratory : Avoid breathing vapor or mist.
Name : 2-butoxyethanol
distillates (petroleum), hydrorefined
Stoddard Solvent
Exposure limits
ACGIH TLV (United States, 1/2005), Skin
TLV: 200 mg/m³ 8 hour/hours, Form: All forms
ACGIH TLV (United States, 1/2005),
TLV: 525 mg/m³ 8 hour/hours, Form: All forms
OSHA PEL (United States, 8/1997),
TLV: 2900 mg/m³ 8 hour/hours, Form: All forms
ACGIH TLV (United States, 1/2005),
TLV: 20 ppm 8 hour/hours, Form: All forms
OSHA PEL (United States, 8/1997),
TLV: 500 ppm 8 hour/hours, Form: All forms
ACGIH TLV (United States, 1/2005),
TLV: 20 ppm 8 hour/hours, Form: All forms
OSHA PEL (United States, 8/1997),
TLV: 240 mg/m³ 8 hour/hours, Form: All forms
TLV: 50 ppm 8 hour/hours, Form: All forms

Section 9. Physical and chemical properties

Physical state : Liquid (Liquid)
 Color : Amber.
 Odor : Hydrocarbon.
 pH : Not applicable.
 Boiling/condensation point : >35 °C
 Specific gravity : 0.877 (Water = 1)
 Viscosity : Dynamic: 100 cP
 Dispersibility : Very slightly dispersible in cold water, hot water.
 properties
 Solubility : Very slightly soluble in cold water, hot water.

Section 10. Stability and reactivity

Stability : The product is stable.

Section 11. Toxicological information

Potential acute health effects
 Eyes : Moderately irritating to eyes.
 Skin : Slightly irritating to the skin.
 Inhalation : Moderately irritating to the respiratory system. 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.
 Chronic effects on humans : Contains material which causes damage to the following organs, blood, kidneys, liver, lymphatic system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Section 12. Ecological information

Products of degradation : These products are carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂ 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.

Waste classification : Unused product is D001 (ignitable).
 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
 Target organ effects
 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.
 SARA 313 :
 Form R - Reporting requirements : 2-butoxyethanol
 California Prop. 65 : No products were found.
 Concentration 4.2978

Section 16. Other information

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

Health	1
Fire hazard	2
Reactivity	0
Personal protection	B

Date of issue : 14-June-2006.
 Responsible name : Regulatory Affairs
 Date of previous issue : No previous validation.
 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.**