

## SECTION 1 – IDENTIFICATION

**NAME / CODE:** DL-KIT / 580341

**USE:** Laundry stain remover set

**MANUFACTURER:** B.O.D. CHEMICALS INC.  
3300, Star Street, Saint-Hubert, Qc, Canada, J3Y 3W6  
Phone : (450) 443-5556 / Fax : (450) 443-6230 / Email : info@chimiquesbod.com

**EMERGENCY PHONE:** 1 (877) 565-8540

**USE:** Laundry pre-spotter

**DL-85**

## SECTION 2 – HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

**PHYSICAL HAZARDS:** Corrosive to metals, category 1

**HEALTH HAZARDS:** Skin corrosion / Irritation, category 1  
Serious eye damage / Eye irritation, category 1

**ENVIRONMENTAL HAZARDS:** Not available

### GHS LABEL ELEMENTS

**PICTOGRAM:**



**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** May be corrosive to metals.  
Causes severe skin burns and eye damage.  
Causes serious eye damage.

### **PRECAUTIONARY STATEMENTS**

**PREVENTION:** Keep only in original container. Do not breathing vapours. Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**RESPONSE:** Absorb spillage to prevent material damage. **If swallowed:** Rinse mouth. Do NOT induce vomiting. **If on skin (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water for 15-20 minutes/shower. Wash contaminated clothing before reuse. **If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER/doctor. Specific treatment (see supplemental first aid on the label). **If in eyes:** Rinse immediately and cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER/doctor.

**STORAGE / DISPOSAL:** Store in corrosive resistant container. Store locked up. Dispose of contents/container in accordance with local regulations (see 13<sup>th</sup> section).

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Linear alcohol ethoxylated	068439-46-3	5 - 10

Ethylene glycol butyl ether	000111-76-2	5 - 10
Mononethanolamine	000141-43-5	3 - 7
Sodium silicate	001344-09-8	1 - 5
Sodium xylene sulphonate	001300-72-7	1 - 5
Sodium hydroxide	001310-73-2	1 - 5

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## SECTION 4 – FIRST AID MEASURES

<b>SKIN:</b>	Remove contaminated clothing. Rinse skin with water for at least 15 minutes/shower. Consult a physician if irritation persists.
<b>EYES:</b>	Rinse immediately and cautiously with water for 15-20 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>INGESTION:</b>	Rinse mouth. Do not induce vomiting. Drink 3 to 4 glasses of water or milk. Do not give anything by mouth if victim is unconscious. Call a physician immediately.
<b>INHALATION:</b>	Breathe fresh air. Give artificial respiration if necessary. Consult a physician if discomforts persist.
<b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:</b>	Skin: Burning and severe skin damage, redness of the skin. Eyes: Causes serious eye damage. Symptoms may include burning, tingling, watery eyes, redness, swelling and blurred vision. This could result in permanent eye damage.
<b>TO PHYSICIAN:</b>	Treat symptoms.

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## SECTION 5 – FIRE-FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	Water spray, carbon dioxide, chemical powder, foam.
<b>UNSUITABLE EXTINGUISHING MEDIA:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>SPECIFIC HAZARDS:</b>	Not flammable. Under fire conditions, toxic and corrosive fumes are emitted. The product does not burn itself but may decompose upon heating to produce carbon monoxide and dioxide, corrosive and/or toxic fumes.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Wear protective clothing and self-contained breathing apparatus if necessary.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:</b>	Ventilate enclosed areas. Avoid contact of the product with eyes and skin. Do not breathe vapours. Wear gloves, safety goggles and respirator if needed. Prevent discharge in sewers. Keep away from incompatible materials.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:</b>	Wear protective clothing. Control spill to prevent runoff into sewers. Cover with inert absorbent material and recover in suitable containers. Sweep and rinse with water.

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## SECTION 7 – HANDLING AND STORAGE

<b>PRECAUTIONS FOR SAFE HANDLING:</b>	Avoid contact of the product with eyes and skin. Do not breathe vapours. Do not eat, drink or smoke when using this product.
<b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:</b>	Keep containers closed, in fresh, dry and well ventilated area, away from incompatible materials.

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## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS	VALEUR	SOURCE
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Ethylene glycol butyl ether	111-76-2	VEMP: 97 mg/m <sup>3</sup>	RSST
Monoethanolamine	141-43-5	VEMP: 7.5 mg/m <sup>3</sup>	RSST
Sodium hydroxide	1310-73-2	VP: 2 mg/m <sup>3</sup>	RSST

**APPROPRIATE ENGINEERING CONTROL:** Normal ventilation

**PERSONAL PROTECTIVE EQUIPMENT**



**SKIN:** Protective clothing. Impermeable gloves

**EYES:** Safety goggles

**RESPIRATORY:** If ventilation is inadequate, suitable respiratory protection must be worn.

**HYGIENE MEASURES:** Wash hands after handling.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE / FORM:** Clear liquid

**COLOR:** Colorless

**ODOR:** Light

**ODOR THRESHOLD:** Not available

**pH:** 13 - 14

**MELTING POINT / FREEZING POINT (°C):** < 0

**BOILING POINT (°C):** Not available

**FLASH POINT (°C):** Not available

**EVAPORATION RATE:** Not available

**EXPLOSIVE LIMITS:** Not available

**VAPOUR PRESSURE:** Not available

**VAPOUR DENSITY:** Not available

**DENSITY (kg/L):** 1.04 - 1.06

**WATER SOLUBILITY:** Complete

**PARTITION COEFFICIENT N-OCTANOL / WATER:** Not available

**AUTOIGNITION TEMPERATURE (°C):** Not available

**DECOMPOSITION TEMPERATURE (°C):** Not available

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**SECTION 10 – STABILITY AND REACTIVITY**

**REACTIVITY:** No dangerous reaction known under conditions of normal use.

**CHEMICAL STABILITY:** Stable at normal ambient temperatures and when used as recommended.

**HAZARDOUS REACTIONS:** Hazardous polymerisation does not occur.

**CONDITIONS TO AVOID:** Contact with incompatible materials.

**INCOMPATIBILITY:** Acids, reducing agents, oxidizing agents, soft metals (Al, Zn, Sn).

HAZARDOUS DECOMPOSITION PRODUCTS: Not available

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## SECTION 11 – TOXICOLOGICAL INFORMATION

### INFORMATION ON LIKELY ROUTES OF EXPOSURE

**SKIN:** Causes severe skin burns.  
**EYES:** Causes serious eye damage.  
**INHALATION:** May cause an irritation.  
**INGESTION:** May cause an irritation.

### NUMERIC VALUES OF TOXICITY

**ACUTE ORAL TOXICITY:** LD50 (rat): 3937 mg/kg  
**ACUTE DERMAL TOXICITY:** Not available. No health effects (normal conditions of use).  
**ACUTE INHALATION TOXICITY:** Not available. No health effects (normal conditions of use).

### DELAYED AND IMMEDIATE EFFECTS

**SKIN CORROSION / IRRITATION:** Causes severe skin burns.  
**SERIOUS EYE DAMAGE / EYE IRRITATION:** Causes serious eye damage.  
**RESPIRATORY SENSITIZATION:** Not expected to cause respiratory sensitization.  
**SKIN SENSITIZATION:** Not expected to cause skin sensitization.  
**GERMINAL CELL MUTAGENICITY:** No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.  
**CARCINOGENICITY:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.  
**REPRODUCTIVE TOXICITY:** No potential reproductive toxicity.  
**SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE:** Not classified.  
**SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:** Not classified.  
**ASPIRATION HAZARD:** Not classified.

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## SECTION 12 – ECOLOGICAL INFORMATION

**ECOTOXICITY:** Linear alcohol ethoxylated  
LC50, Daphnia magna, 48h, 5-10 mg/l  
  
Ethylene glycol butyl ether  
LC50, Oncorhynchus mykiss (rainbow trout), 1474 mg/l - 96h  
EC50, Daphnia magna (Water flea), 1550 mg/l - 48h  
  
Monoethanolamine  
EC50, Cyprinus carpio (Carp), 349 mg/l - 96h  
EC50, Daphnia magna (Water flea), 65 mg/l - 48h

**PERSISTENCE AND DEGRADABILITY:** Not available.  
**BIOACCUMULATIVE POTENTIAL:** Not available.  
**MOBILITY IN SOIL:** Not available.

OTHER ADVERSE EFFECTS: Not available.

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## SECTION 13 – DISPOSAL CONSIDERATIONS

**DISPOSAL INSTRUCTIONS:** Collect in appropriate containers and recycle or dispose the product at a licensed waste disposal site or in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.

**HAZARDOUS WASTE CODE:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**CONTAMINATED PACKAGING:** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## SECTION 14 – TRANSPORT INFORMATION

**TDG:** UN1760, CORROSIVE LIQUID, N.O.S., (Sodium hydroxide), Class 8, PG II

**SPECIAL PRECAUTIONS FOR USER:** Read safety instructions, SDS and emergency procedures before handling.

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**N.T.R. #4**

**USE:** Liquid rust remover

## SECTION 2 – HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

**PHYSICAL HAZARDS:** None

**HEALTH HAZARDS:** Skin corrosion / Irritation, category 2  
Serious eye damage / Eye irritation, category 1

**ENVIRONMENTAL HAZARDS:** Not available

### GHS LABEL ELEMENTS

**PICTOGRAM:**



**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** Causes skin irritation.  
Causes serious eye damage.

### **PRECAUTIONARY STATEMENTS**

**PREVENTION:** Wash hands thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

**RESPONSE:** **If on skin:** Wash with plenty of soap and water. Specific treatment (see supplemental first aid on the label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. **If in eyes:** Rinse immediately and cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER or doctor/physician.

**STORAGE / DISPOSAL:** No special remarks.

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## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Oxalic acid	000144-62-7	7- 13

## SECTION 4 – FIRST AID MEASURES

<b>SKIN:</b>	Remove contaminated clothing. Rinse skin with water for at least 10 minutes/shower. Consult a physician if irritation persists.
<b>EYES:</b>	Rinse cautiously with water for 15-20 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>INGESTION:</b>	Rinse mouth. Do not induce vomiting. Drink 3 to 4 glasses of water. Do not give anything by mouth if victim is unconscious. Call a physician immediately.
<b>INHALATION:</b>	Breathe fresh air. Give artificial respiration if necessary. Consult a physician if discomforts persist.
<b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:</b>	Skin: Irritation, redness of the skin. Eyes: Causes serious eye damage. Symptoms may include burning, tingling, watery eyes, redness, swelling and blurred vision.
<b>TO PHYSICIAN:</b>	Treat symptoms.

## SECTION 5 – FIRE-FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	Water spray, carbon dioxide, chemical powder, foam.
<b>UNSUITABLE EXTINGUISHING MEDIA:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>SPECIFIC HAZARDS:</b>	Not flammable. Under fire conditions, toxic and corrosive fumes are emitted. The product does not burn itself but may decompose upon heating to produce corrosive and/or toxic fumes.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Wear protective clothing and self-contained breathing apparatus if necessary.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:</b>	Avoid contact of the product with eyes and skin. Wear gloves and safety goggles. Prevent discharge in sewers.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:</b>	Wear protective clothing. Control spill to prevent runoff into sewers. Cover with inert absorbent material and recover in suitable containers. Sweep and rinse with water.

## SECTION 7 – HANDLING AND STORAGE

<b>PRECAUTIONS FOR SAFE HANDLING:</b>	Avoid contact of the product with eyes and skin. Do not eat, drink or smoke when using this product. Wash hands after handling.
<b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:</b>	Keep containers closed, in fresh, dry and well ventilated area, away from incompatible materials.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS	VALUE	REGULATION
Oxalic acid	144-62-7	VEMP: 1 mg/m <sup>3</sup>	RSST
Monoethanolamine	141-43-5	VPEM – 3 ppm	RSST

**APPROPRIATE ENGINEERING CONTROL:** Normal ventilation



## PERSONAL PROTECTIVE EQUIPMENT



<b>SKIN:</b>	Impermeable gloves.
<b>EYES:</b>	Safety goggles.
<b>RESPIRATORY:</b>	Generally, not required.
<b>HYGIENE MEASURES:</b>	Wash hands after handling.

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## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE / FORM:</b>	Clear liquid
<b>COLOR:</b>	Odorless
<b>ODOR:</b>	Colorless
<b>ODOR THRESHOLD:</b>	Not available
<b>pH:</b>	1 - 2
<b>MELTING POINT / FREEZING POINT (°C):</b>	~ 0
<b>BOILING POINT (°C):</b>	~ 100
<b>FLASH POINT (°C):</b>	Not available
<b>EVAPORATION RATE:</b>	Not available
<b>EXPLOSIVE LIMITS:</b>	Not available
<b>VAPOUR PRESSURE:</b>	Not available
<b>VAPOUR DENSITY:</b>	Not available
<b>DENSITY (kg/L):</b>	1.03 - 1.05
<b>WATER SOLUBILITY:</b>	Complete
<b>PARTITION COEFFICIENT / N-OCTANOL/WATER:</b>	Not available
<b>AUTOIGNITION TEMPERATURE (°C):</b>	Not available
<b>DECOMPOSITION TEMPERATURE (°C):</b>	Not available

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## **SECTION 10 – STABILITY AND REACTIVITY**

<b>REACTIVITY:</b>	No dangerous reaction known under conditions of normal use.
<b>STABLE:</b>	Stable at normal ambient temperatures and when used as recommended.
<b>HAZARDOUS REACTIONS:</b>	Hazardous polymerisation does not occur.
<b>CONDITIONS TO AVOID:</b>	Contact with incompatible materials.
<b>INCOMPATIBILITY:</b>	Chlorinated agents (bleach), strong oxidizing agents, soft metals (Al, Zn, Sn), alkalis.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Not available.

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## **SECTION 11 – TOXICOLOGICAL INFORMATION**

### INFORMATION ON LIKELY ROUTES OF EXPOSURE

<b>SKIN:</b>	Causes skin irritation.
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**EYES:** Causes serious eye damage.

**INHALATION:** No serious effect.

**INGESTION:** May cause an irritation.

**NUMERIC VALUES OF TOXICITY**

**ACUTE ORAL TOXICITY:** LD50 (rat): 8052 mg/kg

**ACUTE DERMAL TOXICITY:** Not available. No health effects (normal conditions of use).

**ACUTE INHALATION TOXICITY:** Not available. No health effects (normal conditions of use).

**DELAYED AND IMMEDIATE EFFECTS**

**SKIN CORROSION / IRRITATION:** Causes skin irritation.

**SERIOUS EYE DAMAGE / EYE IRRITATION:** Causes serious eye damage.

**RESPIRATORY SENSITIZATION:** Not expected to cause respiratory sensitization.

**SKIN SENSITIZATION:** Not expected to cause skin sensitization.

**GERMINAL CELL MUTAGENICITY:** No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.

**CARCINOGENICITY:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.

**REPRODUCTIVE TOXICITY:** No potential reproductive toxicity.

**SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE:** Not classified

**SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:** Not classified

**ASPIRATION HAZARD:** Not classified

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**SECTION 12 – ECOLOGICAL INFORMATION**

**ECOTOXICITY:** Oxalic acid  
LC50, *Leuciscusidus melanotus*, 160 mg/l, 48h  
EC50, *Daphnia magna*, 162.2 mg/l, 48h

Monoethanolamine  
EC50, *Daphnia magna*, 65 mg/l, 48h

**PERSISTENCE AND DEGRADABILITY:** Not available

**BIOACCUMULATIVE POTENTIAL:** Not available

**MOBILITY IN SOIL:** Not available

**OTHER ADVERSE EFFECTS:** Not available

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

**DISPOSAL INSTRUCTIONS:** Collect in appropriate containers and recycle or dispose the product at a licensed waste disposal site or in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.

**HAZARDOUS WASTE CODE:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**CONTAMINATED PACKAGING:** Since emptied containers may retain product residue, follow label warnings even after container is



emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## SECTION 14 – TRANSPORT INFORMATION

**TDG:** Not regulated

**SPECIAL PRECAUTIONS FOR USER:** Read safety instructions, SDS and emergency procedures before handling.

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**DL-E**

**USE:** Laundry stain remover with enzymes

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## SECTION 2 – HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

**PHYSICAL HAZARDS:** None

**HEALTH HAZARDS:** Skin corrosion / Irritation, category 2  
Serious eye damage / Eye irritation, category 1  
Respiratory sensitization, category 1  
Reproductive toxicity, category 1B

**ENVIRONMENTAL HAZARDS:** Not available

### GHS LABEL ELEMENTS

**PICTOGRAM:**



**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** Causes skin irritation.  
Causes serious eye damage.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May damage fertility or the unborn child.

### PRECAUTIONARY STATEMENTS

**PREVENTION:** Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing vapours. Wear respiratory protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**RESPONSE:** **If on skin:** Wash with plenty of soap and water. Specific treatment (see supplemental first aid on the label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. **If in eyes:** Rinse immediately and cautiously with water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER or doctor/physician. **If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. **If exposed or concerned:** Get medical advice/attention.

**STORAGE / DISPOSAL:** Store locked up. Dispose of contents/container in accordance with local regulations (see 13<sup>th</sup> section).

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## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Linear alcohol ethoxylated	068131-39-5	10 - 30
Propylene glycol propyl ether	001569-01-3	5 - 10
Sodium dodecylbenzenesulfonate	027176-87-0	1 - 5

Mononethanolamine	000141-43-5	1 - 5
Sodium xylene sulphonate	001300-72-7	1 - 5
Boric acid	010043-35-3	1 - 5

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## SECTION 4 – FIRST AID MEASURES

<b>SKIN:</b>	Remove contaminated clothing. Rinse skin with water for at least 10 minutes/shower. Consult a physician if irritation persists.
<b>EYES:</b>	Rinse cautiously with water for 15-20 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>INGESTION:</b>	Rinse mouth. Do not induce vomiting. Drink 3 to 4 glasses of water. Do not give anything by mouth if victim is unconscious. Call a physician immediately.
<b>INHALATION:</b>	Breathe fresh air. Give artificial respiration if necessary. Consult a physician if discomforts persist.
<b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:</b>	Skin: Irritation, redness of the skin. Eyes: Causes serious eye damage. Symptoms may include burning, tingling, watery eyes, redness, swelling and blurred vision.
<b>TO PHYSICIAN:</b>	Treat symptoms.

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## SECTION 5 – FIRE-FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	Water spray, carbon dioxide, chemical powder, foam.
<b>UNSUITABLE EXTINGUISHING MEDIA:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>SPECIFIC HAZARDS:</b>	Not flammable. In case of fire, toxic fumes are emitted. The product does not burn itself but can decompose during heating to produce carbon monoxide and dioxide and toxic fumes.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Wear protective clothing and self-contained breathing apparatus if necessary.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:</b>	Avoid contact of the product with eyes and skin. Wear gloves and safety goggles. Prevent discharge in sewers.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:</b>	Wear protective clothing. Control spill to prevent runoff into sewers. Cover with inert absorbent material and recover in suitable containers. Sweep and rinse with water.

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## SECTION 7 – HANDLING AND STORAGE

<b>PRECAUTIONS FOR SAFE HANDLING:</b>	Avoid contact of the product with eyes and skin. Do not eat, drink or smoke when using this product. Wash hands after handling.
<b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:</b>	Keep containers closed, in fresh, dry and well ventilated area, away from incompatible materials.

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## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS	VALUE	REGULATION
Monoethanolamine	141-43-5	VPEM – 3 ppm	RSST

**APPROPRIATE ENGINEERING CONTROL:** Normal ventilation

**PERSONAL PROTECTIVE EQUIPMENT**



**SKIN:** Protective clothing. Impermeable gloves.

**EYES:** Safety goggles.

**RESPIRATORY:** If ventilation is inadequate, suitable respiratory protection must be worn.

**HYGIENE MEASURES:** Wash hands after handling.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE / FORM:** Clear liquid

**COLOR:** Colorless

**ODOR:** Light

**ODOR THRESHOLD:** Not available

**pH:** 7 - 9

**MELTING POINT / FREEZING POINT (°C):** ~ 0

**BOILING POINT (°C):** ~ 100

**FLASH POINT (°C):** Not available

**EVAPORATION RATE:** Not available

**EXPLOSIVE LIMITS:** Not available

**VAPOUR PRESSURE:** Not available

**VAPOUR DENSITY:** Not available

**DENSITY (kg/L):** 1.05 - 1.07

**WATER SOLUBILITY:** Complete

**PARTITION COEFFICIENT / N-OCTANOL/WATER:** Not available

**AUTOIGNITION TEMPERATURE (°C):** Not available

**DECOMPOSITION TEMPERATURE (°C):** Not available

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**SECTION 10 – STABILITY AND REACTIVITY**

**REACTIVITY:** No dangerous reaction known under conditions of normal use.

**STABLE:** Stable at normal ambient temperatures and when used as recommended.

**HAZARDOUS REACTIONS:** Hazardous polymerisation does not occur.

**CONDITIONS TO AVOID:** Contact with incompatible materials.

**INCOMPATIBILITY:** Cationic surfactants.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not available.

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

**INFORMATION ON LIKELY ROUTES OF EXPOSURE**

<b>SKIN:</b>	Causes skin irritation.
<b>EYES:</b>	Causes serious eye damage.
<b>INHALATION:</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>INGESTION:</b>	May cause an irritation.

#### **NUMERIC VALUES OF TOXICITY**

<b>ACUTE ORAL TOXICITY:</b>	LD50 (rat): 4708 mg/kg
<b>ACUTE DERMAL TOXICITY:</b>	Not available. No health effects (normal conditions of use).
<b>ACUTE INHALATION TOXICITY:</b>	Not available. No health effects (normal conditions of use).

#### **DELAYED AND IMMEDIATE EFFECTS**

<b>SKIN CORROSION / IRRITATION:</b>	Causes skin irritation.
<b>SERIOUS EYE DAMAGE / EYE IRRITATION:</b>	Causes serious eye damage.
<b>RESPIRATORY SENSITIZATION:</b>	Inhalation of vapours or mists may cause irritation to the respiratory system.
<b>SKIN SENSITIZATION:</b>	Not expected to cause skin sensitization.
<b>GERMINAL CELL MUTAGENICITY:</b>	No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.
<b>CARCINOGENICITY:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.
<b>REPRODUCTIVE TOXICITY:</b>	May damage fertility or the unborn child.
<b>SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE:</b>	Not classified
<b>SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:</b>	Not classified
<b>ASPIRATION HAZARD:</b>	Not classified

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### **SECTION 12 – ECOLOGICAL INFORMATION**

<b>ECOTOXICITY:</b>	Linear alcohol ethoxylated EC50, Daphnia magna, 10-100 mg/l, 48h
	Propylene glycol propyl ether EC50, Daphnia magna, >100 mg/l, 48h
	Monoethanolamine EC50, Daphnia magna, 65 mg/l, 48h
<b>PERSISTENCE AND DEGRADABILITY:</b>	Not available
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not available
<b>MOBILITY IN SOIL:</b>	Not available
<b>OTHER ADVERSE EFFECTS:</b>	Not available

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### **SECTION 13 – DISPOSAL CONSIDERATIONS**

<b>DISPOSAL INSTRUCTIONS:</b>	Collect in appropriate containers and recycle or dispose the product at a licensed waste disposal site or in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.
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HAZARDOUS WASTE CODE: Not a hazardous product.

CONTAMINATED PACKAGING: Rinse with water and recycle.

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## SECTION 14 – TRANSPORT INFORMATION

TDG: Not regulated

SPECIAL PRECAUTIONS FOR USER: Read safety instructions, SDS and emergency procedures before handling.

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**DL-S**

USE: Laundry stain remover with solvents

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## SECTION 2 – HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

PHYSICAL HAZARDS: Flammable liquids, category 2

HEALTH HAZARDS: Skin corrosion / Irritation, category 2  
Serious eye damage / Eye irritation, category 1  
Sensitization - Skin  
Reproductive toxicity, category 2  
Specific target organ toxicity - Single exposure, category 2B  
Specific target organ toxicity - Repeated exposure, category 2  
Aspiration hazard, category 1

ENVIRONMENTAL HAZARDS: Not available

### GHS LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD: DANGER

HAZARD STATEMENTS: Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye damage.  
May cause an allergic skin reaction.  
Suspected of damaging fertility or the unborn child.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.  
May be fatal if swallowed and enters airways.

### PRECAUTIONARY STATEMENTS

PREVENTION: Keep away from heat, sparks, open flames, hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid breathing vapours. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only in a well-ventilated area.

RESPONSE: **In case of fire:** Use chemical powder, foam, carbon dioxide for extinction. **If on skin (or hair):** Remove/Take off immediately all contaminated clothing. Wash for 10 minutes with plenty of soap and water/shower. Specific treatment (see supplemental first aid on the label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. **If in eyes:** Rinse immediately and cautiously with water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER or doctor/physician. **If exposed or concerned:** Get medical advice/attention. **If**

**inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. **If swallowed:** Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

**STORAGE / DISPOSAL:**

Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed. Dispose of contents/container in accordance with local regulations (see 13<sup>th</sup> section).

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## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Petroleum distillate	064742-89-8	30 - 60
Alcohols ethoxylated	068131-39-5	15 - 40
Ethylene glycol butyl ether	000111-76-2	10 - 30

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## SECTION 4 – FIRST AID MEASURES

<b>SKIN:</b>	Remove contaminated clothing. Rinse skin with water for at least 10 minutes/shower. Consult a physician if irritation persists.
<b>EYES:</b>	Rinse cautiously with water for 10-15 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>INGESTION:</b>	Rinse mouth. Do not induce vomiting. Drink 3 to 4 glasses of water. Do not give anything by mouth if victim is unconscious. Call a physician immediately.
<b>INHALATION:</b>	Breathe fresh air. Give artificial respiration if necessary. Consult a physician if discomforts persist.
<b>MOST IMPORTANT SYMPTOMS/EFFECTS ACUTE AND DELAYED</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
<b>TO PHYSICIAN:</b>	Treat symptoms.

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## SECTION 5 – FIRE-FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	Water spray, carbon dioxide, chemical powder, foam.
<b>UNSUITABLE EXTINGUISHING MEDIA:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>SPECIFIC HAZARDS OF THE HAZARDOUS PRODUCT:</b>	<b>The product is flammable.</b> In case of fire, toxic fumes are emitted. The product does not burn itself but can decompose during heating to produce carbon monoxide and dioxide and toxic fumes.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Wear protective clothing and self-contained breathing apparatus if necessary.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:</b>	Ventilate enclosed areas. Avoid contact of the product with eyes and skin. Do not breathe vapours. Wear gloves, safety goggles and respirator if needed. Prevent discharge in sewers. Keep away from incompatible materials.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:</b>	Wear protective clothing. Control spill to prevent runoff into sewers. Cover with inert absorbent material and recover in suitable containers. Sweep and rinse with water.

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## SECTION 7 – HANDLING AND STORAGE

<b>PRECAUTIONS FOR SAFE HANDLING:</b>	Avoid contact of the product with eyes and skin. Do not breathe vapours. Do not eat, drink or smoke when using this product.
<b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:</b>	Keep containers closed, in fresh, dry and well ventilated area, away from incompatible materials. Ventilate enclosed areas.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMITS:

INGREDIENT	CAS	VALUE	REGULATION
Ethylene glycol butyl ether	111-76-2	VEMP: 97 mg/m <sup>3</sup>	RSST

**APPROPRIATE ENGINEERING CONTROL:** Normal ventilation

### PERSONAL PROTECTIVE EQUIPMENT



**SKIN:** Protective clothing. Impermeable gloves.

**EYES:** Safety goggles.

**RESPIRATORY:** If ventilation is inadequate, suitable respiratory protection must be worn.

**HYGIENE MEASURES:** Wash hands after handling.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE / FORM:</b>	Clear liquid
<b>COLOR:</b>	Colorless
<b>ODOR:</b>	Solvent
<b>ODOR THRESHOLD:</b>	Not available
<b>pH:</b>	Not applicable
<b>MELTING POINT / FREEZING POINT (°C):</b>	< 0
<b>BOILING POINT (°C):</b>	< 100
<b>FLASH POINT (°C):</b>	Not available
<b>EVAPORATION RATE:</b>	Not available
<b>EXPLOSIVE LIMITS:</b>	Not available
<b>VAPOUR PRESSURE:</b>	Not available
<b>VAPOUR DENSITY:</b>	Not available
<b>DENSITY (kg/L):</b>	0.92 - 0.94
<b>WATER SOLUBILITY:</b>	Partial
<b>PARTITION COEFFICIENT N-OCTANOL / WATER:</b>	Not available
<b>AUTOIGNITION TEMPERATURE (°C):</b>	Not available
<b>DECOMPOSITION TEMPERATURE (°C):</b>	Not available

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## SECTION 10 – STABILITY AND REACTIVITY

<b>REACTIVITY:</b>	No dangerous reaction known under conditions of normal use.
<b>CHEMICAL STABILITY:</b>	Stable at normal ambient temperatures and when used as recommended.
<b>HAZARDOUS REACTIONS:</b>	Hazardous polymerisation does not occur.

<b>CONDITIONS TO AVOID:</b>	Contact with incompatible materials, heat, flame, sparks.
<b>INCOMPATIBILITY:</b>	Strong comburants, strong oxidizing agents.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Not available.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

### INFORMATION ON LIKELY ROUTES OF EXPOSURE

<b>SKIN:</b>	Causes skin irritation.
<b>EYES:</b>	Causes serious eye damage.
<b>INHALATION:</b>	May cause an irritation, nauseas.
<b>INGESTION:</b>	May cause an irritation, nauseas.

### NUMERIC VALUES OF TOXICITY

<b>ACUTE ORAL TOXICITY:</b>	LD50 (oral, rat): 2520 mg/kg
<b>ACUTE DERMAL TOXICITY:</b>	Not available. No health effects (normal conditions of use).
<b>ACUTE INHALATION TOXICITY:</b>	Not available. No health effects (normal conditions of use).

### DELAYED AND IMMEDIATE EFFECTS

<b>SKIN CORROSION / IRRITATION:</b>	Causes skin irritation.
<b>SERIOUS EYE DAMAGE / EYE IRRITATION:</b>	Causes serious eye damage.
<b>RESPIRATORY SENSITIZATION:</b>	Not expected to cause respiratory sensitization.
<b>SKIN SENSITIZATION:</b>	May cause an allergic skin reaction.
<b>GERMINAL CELL MUTAGENICITY:</b>	No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.
<b>CARCINOGENICITY:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.
<b>REPRODUCTIVE TOXICITY:</b>	Suspected of damaging fertility or the unborn child.
<b>SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE:</b>	May cause respiratory irritation. May cause drowsiness or dizziness.
<b>SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:</b>	May cause damage to organs through prolonged or repeated exposure.
<b>ASPIRATION HAZARD:</b>	May be fatal if swallowed and enters airways.

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## SECTION 12 – ECOLOGICAL INFORMATION

<b>ECOTOXICITY:</b>	Petroleum distillate EC50, Pseudokirchneriella subcapitata, 72h, 4700 mg/l  Ethylene glycol butyl ether LC50, Oncorhynchus mykiss (rainbow trout), 96h, 1474 mg/l EC50, Daphnia magna (Water flea), 48h, 1550 mg/l
<b>PERSISTENCE AND DEGRADABILITY:</b>	Not available
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not available
<b>MOBILITY IN SOIL:</b>	Not available
<b>OTHER ADVERSE EFFECTS:</b>	Not available



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## SECTION 13 – DISPOSAL CONSIDERATIONS

- DISPOSAL INSTRUCTIONS:** Collect in appropriate containers and recycle or dispose the product at a licensed waste disposal site or in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.
- HAZARDOUS WASTE CODE:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
- CONTAMINATED PACKAGING:** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## SECTION 14 – TRANSPORT INFORMATION

- TDG:** UN1993, FLAMMABLE LIQUID, N.O.S., (Petroleum distillate), Class 3, PG II
- SPECIAL PRECAUTIONS FOR USER:** Read safety instructions, SDS and emergency procedures before handling.

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## SECTION 15 – REGULATORY INFORMATION – DL-KIT

Ingredients included on inventory of DSL (Canada), REACH, TSCA (USA)

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## SECTION 16 – OTHER INFORMATION

- PRODUCT NAME:** DL-KIT
- CODE:** 580341
- IN CASE OF ACCIDENTAL SPILL:** CANUTEC (Canada): 1 (613) 996-6666
- PREPARED BY:** B.O.D. CHEMICALS INC.
- PHONE:** (450) 443-5556
- DATE:** November 23<sup>th</sup>, 2022

B.O.D. CHEMICALS INC. assume no responsibility for damages or physical injuries resulting in the use of this product. The user recognizes the risk in the use of this product and must consult and respect directions and dangers of this product.

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