

1. Identification

Product name GR EMULSIFIER SOL
 Use SOLVENT BASED FABRIC STAIN REMOVER
 Supplier Groulx Robertson-Venus
 A division of GTR Chemical Solutions Inc.
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 Emergency phone number: CANUTEC (613) 996-6666

Code 10VE4141



2. Hazard identification

Product classification Skin corrosion / irritation - Category 2
 Flammable liquids - Category 3
 Serious eye damage / Eye irritation - Category 1
 Skin sensitization - Category 1
 Specific target organ toxicity - Single exposure - Category 3
 Specific target organ toxicity - Repeated exposure - Category 1

Signal word **DANGER**
 Hazard statement

H226 - Flammable liquid and vapour.
 H315 - Causes skin irritation.
 H318 - Causes serious eye damage.
 H317 - May cause an allergic skin reaction.
 H335 - May cause respiratory irritation.
 H372 - Causes damage to organs through prolonged or repeated exposure.

Pictogram



Precautionary statement P210 - Keep away from heat / sparks / open flames / hot surfaces. No smoking.
 P233 - Keep container tightly closed.
 P240 - Ground / bond container and receiving equipment.
 P241 - Use explosion-proof electrical / ventilating / light / equipment.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P260 - Do not breathe dust / fumes / gas / mist / vapours / spray.
 P264 - Wash hands and face thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P271 - Use only outdoors or in a well-ventilated area.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P280 - Wear protective gloves / protective clothing / eye protection / face protection.
 P302+P352 - **IF ON SKIN:** Wash with plenty of soap and water.
 P303+P361+P353 - **IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P333+P313 - If skin irritation or a rash occurs: Get medical advice/attention.
 P362+P364 - Take off contaminated clothing and wash it before reuse.
 P304+P340 - **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.
 P312 - Call a POISON CENTER or doctor if you feel unwell.
 P305+P351+P338 - **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
 P310 - Immediately call a POISON CENTER or a doctor.

P370+P378 - In case of fire: Use alcohol-resistant foam, carbon dioxide (CO₂), extinguishing powder, dry sand or limestone powder to extinguish.

P403+P233 - Store in a well ventilated place. Keep container tightly closed.

P235 - Keep cool.

P405 - Store locked up.

P501 - Dispose of contents / container according to all applicable regulations.

3. Composition / Information on ingredients

Ingredient name	Cas number	% (w/w)
2-Butoxyethanol	111-76-2	10 - 30
Isopropyl alcohol	67-63-0	30 - 60
d-Limonene	5989-27-5	10 - 30
Alcohols (C12-15 linear saturated) ethoxylate	68131-39-5	15 - 40

Exact percentages are being withheld as trade secret information

4. First-aid measures

Eyes contact	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin contact	Rinse skin with water for 15 minutes. remove contaminated garments and shoes and wash them before reusing them. Seek medical assistance if symptoms persist.
Inhalation	Bring person to aerated area. If the the victim has trouble breathing, seek medical assistance.
Ingestion	Do not induce vomiting. Rinse mouth. Drink a glass of water. if a feeling of discomfort or other symptoms develop, see a doctor.
Most important symptoms and effects	See section 11.
Indication of immediate medical attention and special treatment needed	No further information available.

5. Fire-fighting measures

Suitable extinguishing media	Alcohol-resistant foam, carbon dioxide (CO ₂), extinguishing powder, dry sand or limestone powder.
Unsuitable extinguishing media	Do not use a water jet.
Specific hazards arising from the chemical	No further relevant information available.
Special protective equipment and precautions for firefighters	Wear self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear protective equipment listed in section 8. Keep unnecessary personnel and unprotected persons away. Remove any source of ignition of the affected area.
Methods and materials for containment and cleaning up.	Isolate area. Keep unnecessary personnel away. Ensure adequate ventilation. Stop the flow of material, if this is without risk. Absorb with inert material such as vermiculite, sand or soil. Put in adequate container. Wash contaminated area.

7. Handling and storage

Precautions for safe handling	Put on appropriate personal protective equipment (see section 8). Use in a way to prevent splashing. Eating, drinking and smoking should be prohibited in areas where this material is handled or stored. Workers should wash hands and face before eating, drinking and smoking. Keep in the original container or an approved alternative, kept tightly closed when not in use. Do not reuse empty container.
Conditions for safe storage, including any incompatibilities	Store in a well-ventilated place, away from heat source and direct sunlight. Keep container tightly closed.

8. Exposure controls / Personal protection

Occupational exposure limits (by ingredients)

Ingredient name	TWAEV	STEV
2-Butoxyethanol	20 ppm	-
Isopropyl alcohol	400 ppm	500 ppm
d-Limonene	-	-
Alcohols (C12-15 linear saturated) ethoxylate	-	-

Source of data : RSST

P = ceiling value that should not be exceeded for any amount of time.

Appropriate engineering controls	Use only with ventilation adequate to keep air concentration below STEV if use generates vapor or mists. If STEV is exceeded, wear NIOSH approved respirator.
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Individual protection measures

Eyes & face	Safety glasses.
Skin	Protective gloves.
Respiratory	If airborne exposures cannot be kept below permissible exposure limits, use a NIOSH approved respiratory protection.
Other	Provide eye wash facility and safety shower near the places where the product is used. Normal work clothes (long-sleeved shirt, long pants and closed shoes) are recommended. Contact lenses should not be worn when handling this product.

9. Physical and chemical properties

Physical state	Liquid	Evaporation rate	Not available	Relative density	0.87 - 0.91
Colour	Colorless	Flammability	Flammable	Solubility	Soluble in water
Odour	Citrus odor	Upper flammability limits	Not available	Partition coefficient - n-octanol/water	Not available
Odour threshold	Not available	Lower flammability limits	Not available	Auto-ignition temperature	Not available
pH	6.5 - 7.0	Upper explosive limits	Not available	Decomposition temperature	Not available
Melting point	Not available	Lower explosive limits	Not available	Viscosity	Not available
Initial boiling point and boiling range	Not available	Vapour pressure	Not available		

Flash point >60°C Vapour density Not available

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability Stable under normal conditions.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid Avoid excessive heat and ignition sources.
Incompatible materials No further relevant information available.
Hazardous decomposition products None known

11. Toxicological information

Potential Health Effects

Eyes contact Provokes severe irritation of the eyes, edema of the cornea and can cause burns.
Skin contact Causes skin irritation.
Inhalation Coughing and respiratory tract irritation.
Ingestion Irritation of the mouth, throat and digestive system.
Chronic Exposure Prolonged or chronic exposure to this product may lead to damage to organs. Prolonged or chronic exposure to this product may cause skin sensitisation.

Acute toxicity (per ingredient)

Ingredient	Acute toxicity
2-Butoxyethanol	LD 50 Oral : 560 mg/kg, Rat LD 50 Dermal : 207 mg/kg, Guinea pig LC 50 Inhalation : 450 ppm, Rat, 4 h
Isopropyl alcohol	LD 50 Oral : 3600 mg/kg, Mouse LD 50 Dermal : 12800 mg/kg, Rabbit LC 50 Inhalation : 16970 ppm, Rat, 4 h
d-Limonene	LD 50 Oral : 4400 mg/kg, Rat LD 50 Dermal : >5000 mg/kg, Rabbit
Alcohols (C12-15 linear saturated) ethoxylate	No data available

12. Ecological information

Ecotoxicity No further relevant information available.
Persistence and degradability No further relevant information available.
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.

13. Disposal considerations

Disposal methods Dispose of contents/container in accordance with local / regional / national / international regulations.

14. Transport information

TDG Classification

UN Number	Shipping name	Class	Packing group
N/A	Not regulated	N/A	N/A

15. Regulatory information

WHMIS classification	Skin corrosion / irritation - Category 2 Flammable liquids - Category 3 Serious eye damage / Eye irritation - Category 1 Skin sensitization - Category 1 Specific target organ toxicity - Single exposure - Category 3 Specific target organ toxicity - Repeated exposure - Category 1
Other applicable regulations	No further data available.

16. Other information

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Notice to reader

The information provided in this Safety Data Sheet is accurate to the best of our knowledge, and information available at the date of publication. The information is only designed as a guidance for safe handling, use, transport, storage and disposal.

Use of this product should be performed with caution as there are risks and hazards for people and goods, which are detailed but are not limited in this MSDS. To reduce the risks and dangers with this product is the responsibility of the user to comply with instructions and all instructions provided in the MSDS of this product. The manufacturer, distributors and suppliers of this product are exempt from any liability for any loss or damages of any kind whatsoever resulting from the use of this product that does not comply with the instructions or to all instructions provided in this MSDS or resulting from careless use of this product.