

Safety Data Sheet

CONCENTRATED DEGREASER

SECTION 1. IDENTIFICATION

Product Identifier	ALLIANCE
Other Identification	91036-91037
Recommended Use	Concentrated Degreaser
Restrictions on Use	All other uses than those indicated on the product label and technical data sheet.
Supplier	Mayrand Plus, 9701 Boul. Louis-H.Lafontaine, Anjou (Qc) H1J 2A3, Tel.: (450) 255-9330
Emergency Phone No.	Quebec Poison Control Centre (24 hours service), All other places, (418) 656-8090 CANUTEC, (613) 996-6666 (collect),

SECTION 2. HAZARD IDENTIFICATION

Classification

Skin irritation - Category 2; Eye irritation - Category 2

Label Elements



Signal Word:
Warning

Hazard Statement(s):

Causes skin irritation.
Causes eye irritation.

Precautionary Statement(s):

Wash hands and skin thoroughly after handling.
Wear protective gloves/eye protection/face protection.
IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical advice or attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
If eye irritation persists: Get medical advice or attention.

Other Hazards

Not applicable.

Product Identifier: Concentrated Liquid Degreaser for hard surfaces. - Ver. 1
Date of Preparation: avril 03, 2018
Date of Last Revision:

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
2-Butoxyethanol	111-76-2	1-5	Information not available	Information not available

Notes

Concentrations are expressed in % weight/weight.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. If experiencing respiratory symptoms (e.g. coughing, shortness of breath, wheezing), call a Poison Centre or doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor.

Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If skin irritation or a rash occurs, get medical advice or attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Immediately call a Poison Centre or doctor.

Ingestion

Rinse mouth with water. Immediately call a Poison Centre or doctor. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

Most Important Symptoms and Effects, Acute and Delayed

Causes skin irritation. Cause serious eye irritation.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

Not applicable.

Specific Hazards Arising from the Product

In the presence of fire, promptly isolate the scene by removing all persons located near the scene of the accident. Take no action involving any personal risk or without suitable training.

Special Protective Equipment and Precautions for Fire-fighters

It is imperative that firefighters wear protective equipment and a suitable respirator equipped with a mask full-face positive pressure.

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Remove or isolate incompatible materials as well as other hazardous materials. Take no action involving any personal risk or without suitable training. Do not touch or

Product Identifier: Concentrated Liquid Degreaser for hard surfaces. - Ver. 1

Date of Preparation: avril 03, 2018

Date of Last Revision:

walk through spilled material.

Environmental Precautions

Avoid dispersal of spilled 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 and Materials for Containment and Cleaning Up

Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Flush spill area. Get expert advice before treating the spilled product with other chemicals to make it less hazardous.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Put on appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing the product. Keep out the reach of children. Use only in a well ventilated area. Wear appropriate respirator when ventilation is inadequate. Handle with care. Avoid operations that produce a cloud of dust.

Conditions for Safe Storage

Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10). Keep container tightly closed when not in use. Opened containers must be carefully resealed and kept upright to prevent leakage. Use appropriate container to avoid environmental contamination. Do not store in unlabeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
2-Butoxyethanol	20 ppm	Not established				

ACGIH TLV 2012

OSHA PEL 2012

AIHA WEEL 2011.

Appropriate Engineering Controls

The purpose of the Health and Safety Act is to eliminate hazards at the source. Where engineering controls and changes in working procedures are not sufficient to reduce exposure to this substance, the use of personal protective equipment may be necessary. These protective equipment must comply with the regulations.

Individual Protection Measures

Eye/Face Protection

Wear eye protection if splashing is likely. The selection of an eye protector depends on the nature of the work to be performed and, if applicable, on the type of respirator used.

Skin Protection

Wear skin protective equipment. The selection of such equipment depends on the nature of the work to be performed.

Respiratory Protection

Wear appropriate respirator when ventilation is inadequate.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Transparent blue liquid.
Odour	Specific to the ingredients
Odour Threshold	Not available

Product Identifier: Concentrated Liquid Degreaser for hard surfaces. - Ver. 1

Date of Preparation: avril 03, 2018

Date of Last Revision:

pH	10.0 - 11.0
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.0 - 1.1
Solubility	Very soluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Under normal conditions of storage and use, hazardous reactions will not occur.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Keep away from freezing and excessive heat.

Incompatible Materials

None known.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Skin contact.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
2-Butoxyethanol		3000 mg/kg (rat)	> 2000 mg/kg (rat)

Skin Corrosion/Irritation

Causes skin irritation.

Serious Eye Damage/Irritation

Causes serious eye irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

No known significant effects or critical hazards.

Product Identifier: Concentrated Liquid Degreaser for hard surfaces. - Ver. 1

Date of Preparation: avril 03, 2018

Date of Last Revision:

Ingestion

No known significant effects or critical hazards.

Respiratory and/or Skin Sensitization

Not a respiratory sensitizer. Not a skin sensitizer.

Carcinogenicity

The data do not allow an adequate assessment of the carcinogenic effect.

Reproductive Toxicity

Development of Offspring

No data on teratogenic effects have been found.

Sexual Function and Fertility

No data on reproductive effects have been found.

Germ Cell Mutagenicity

The data do not allow an adequate evaluation of the mutagenic effect.

No information was located for: Aspiration Hazard, STOT (Specific Target Organ Toxicity) - Repeated Exposure, Effects on or via Lactation, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No known significant effects or critical hazards.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

It is important to minimize or avoid the generation of waste wherever possible. Disposal of this product and solutions must always respect the provisions of the law on environmental protection and waste disposal and must remain in compliance with the requirements of local laws and regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult local or regional authorities.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	Not regulated	Not applicable		

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS 1988 Classification

D2B - Toxic

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

Product Identifier: Concentrated Liquid Degreaser for hard surfaces. - Ver. 1

Date of Preparation: avril 03, 2018

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SECTION 16. OTHER INFORMATION

Date of Preparation avril 03, 2018

Disclaimer Notice to reader and user : The information contained in this document is accurate to the best of our knowledge. however, the above named supplier assumes any liability whatsoever with respect to the accuracy of the informatoin contained in this document. The finl determination ond suitability of any material or product is the sole responsibility of the user. All materials may pose risk and should be used whith caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards that exist .

Product Identifier: Concentrated Liquid Degreaser for hard surfaces. - Ver. 1

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Page 06 of 06