



ASPIN  
21 INDUSTRY STREET, UNIT #6  
AURORA ON., L4G1X6  
CANADA  
(905)392-6655

**PRODUCT: BEN'S DEGREASER**

### SECTION 01: IDENTIFICATION

Supplier identifier..... Aspin  
21 Industry Street, Unit #6  
Aurora ON.  
L4G1X6  
(905)392-6655  
Product identifier..... BEN'S DEGREASER  
Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).  
Product use..... Cleaner-degreaser .

### SECTION 02: HAZARD IDENTIFICATION



According to Hazardous Products  
Regulations (HPR) (SOR/2015-17)

Hazard classification..... Corrosive to Metals — Category 1 . Acute Toxicity (Oral) — Category 4. Skin Corrosion —  
Category 1. Serious Eye Damage — Category 1.

Signal word..... DANGER.

Hazard statement..... H302 Harmful if swallowed. H290 May be corrosive to metals. H314 Causes severe skin  
burns and eye damage. H318 Causes serious eye damage.

Precautionary statements..... P234 Keep only in original packaging. P260 Do not breathe the dust or mist. P264 Wash  
hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P311 Call a  
POISON CENTER or doctor/physician. P303+P361+P353 IF ON SKIN (or hair): Take off  
immediately all contaminated clothing. Rinse skin with water or shower. P363 Wash  
contaminated clothing before reuse. P304+P340 IF INHALED: Remove victim to fresh air  
and keep at rest in a position comfortable for breathing. P310 Immediately call a POISON  
CENTER or doctor/physician. P305+P351+P338 IF IN EYES: Rinse cautiously with water  
for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P390 Absorb spillage to prevent material damage. P406 Store in corrosion resistant  
container with a resistant inner liner. P405 Store locked up. P501 Dispose of  
contents/container to an approved waste disposal plant.

Other hazards..... None.

Supplemental Information..... Store in original container protected from direct sunlight in a dry, cool and well-ventilated  
area, away from incompatible materials and food and drink.

### SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Potassium hydroxide	1310-58-3	7-13
2-Butoxyethanol	111-76-2	1-5
Monoethanolamine	141-43-5	1-5
<The exact concentration of composition has been withheld as a trade secret>		

### SECTION 04: FIRST-AID MEASURES

Routes of exposure

Inhalation..... If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek  
medical attention. If breathing is irregular or if respiratory arrest occurs, provide artificial  
respiration or oxygen by trained personnel. Get medical attention immediately. Call a  
poison center or physician.

Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Call a physician or  
poison control center immediately. Never give anything by mouth to an unconscious  
person.

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**SECTION 04: FIRST-AID MEASURES**

Skin contact..... In case of contact, flush skin with plenty of water for at least 20 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact..... Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately. Call a poison center or physician.

Medical attention and special treatment.... Corrosive to the eyes and may cause severe damage including blindness. Causes burns . Ensure that medical personnel are aware of the material(s) involved. Show this safety data sheet to the doctor in attendance.

Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

**SECTION 05: FIRE-FIGHTING MEASURES**

Extinguishing media..... Use dry chemical, alcohol foam, carbon dioxide or water spray to extinguish. Do not use water jet as an extinguisher, as this will spread the fire.

Hazardous combustion products..... Carbon monoxide, carbon dioxide, hydrocarbons, metal oxides.

Special protective equipment and precautions ..... Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.

Sensitivity to static discharge..... Product is not sensitive to static discharge.

Sensitivity to mechanical impact..... Product is not sensitive to mechanical impact.

Further information..... Closed containers may explode when exposed to extreme heat. Contact with some reactive metals may produce flammable hydrogen gas.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Wear protective equipment: goggles, chemically resistant clothing and gloves, and appropriate respirator if in a confined area.

Environmental precautions..... Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods. Do not discharge into drains/surface waters/groundwater.

Methods and materials for containment and cleaning up Absorb in vermiculite, dry sand or earth and place into container. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. Dispose of via a licensed waste disposal contractor.

**SECTION 07: HANDLING AND STORAGE**

Handling precautions..... Do not get in eyes, on skin or on clothing. Avoid inhalation of mists/vapours/fumes. Wash thoroughly after handling. Keep container tightly closed . Use good industrial hygiene practices in handling this material. Do not eat, drink or smoke when using this product .

Storage needs..... Keep in a dry, cool and well-ventilated place. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up.

Materials to avoid..... Keep away from strong acids.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV		OSHA PEL	NIOSH
		STEL	REL		
Potassium hydroxide	ceiling: 2 mg/m3	not available	not available	not available	not available
2-Butoxyethanol	20 ppm	not available	50 ppm	not available	not available
Monoethanolamine	3 ppm	6 ppm	3 ppm	6 ppm	3 ppm
Engineering controls.....	Good general ventilation (typically 10 air changes per hour) should be used . Eye wash bottle with pure water . Facilities storing this material should be equipped with an eyewash facility and a safety shower.				
Individual protection measures					
Eye/type.....	Safety glasses with side-shields.				
Gloves/type.....	Wear chemical resistant protective gloves.				
Respiratory/type.....	Generally not required. Wear respiratory protection if ventilation is inadequate.				
Footwear/type .....	Suitable protective footwear.				
Hygiene measures.....	Handle in accordance with good industrial hygiene and safety practice. Wear clean long legged, long sleeved work clothes.				

**PRODUCT: BEN'S DEGREASER****SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance.....	liquid.
Color.....	clear.
Odour.....	pungent odour.
Odour threshold.....	not available.
pH.....	14.
Melting point (°C).....	not applicable.
Freezing point (°C).....	0.
Initial boiling point (°C).....	100.
Flash point (°C), Method.....	>94 CC.
Evaporation rate.....	not available.
Upper flammability limit (% vol).....	not available.
Lower flammability limit (% vol).....	not available.
Vapour pressure (mm Hg).....	not available.
Vapour density (air=1).....	not available.
Relative density/Specific Gravity.....	1.1.
Water solubility.....	soluble.
Solubility in other solvents.....	not available.
Partition coefficient — n-octanol/water.....	not available.
Auto ignition temperature (°C).....	not available.
Thermal decomposition temperature.....	not available.
Viscosity.....	thin liquid.

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity.....	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability.....	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions.....	No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
Conditions to avoid.....	Contact with incompatible materials.
Incompatible materials.....	Acids, soft metals.
Hazardous decomposition products.....	No data available.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Potassium hydroxide	not available	273 mg/kg (oral-rat); 2000 mg/kg (dermal-rabbit)
2-Butoxyethanol	2.2 mg/l (inhalation-rat, 4 h)	530 mg/kg (oral-rat); 450 mg/kg (dermal-rabbit)
Monoethanolamine	20 mg/l (inhalation - rat, 4 hours)	1,500 mg/kg (oral-rat); 1,025 mg/kg (dermal-rabbit)
Routes of exposure		
Inhalation.....	Inhalation of vapours may cause irritation to the nose, throat and respiratory tract.	
Ingestion.....	Ingestion may cause pain, irritation and burns in the mouth, throat and stomach.	
Skin contact.....	Corrosive: severe skin burns, scars.	
Eye contact.....	Contact can cause burns, severe corneal damage and permanent loss of vision.	
Acute effects		
Acute oral toxicity.....	Acute toxicity estimate > 300 and < 2,000 mg/kg. Harmful if swallowed. Method: calculation method.	
Acute dermal toxicity.....	LD50 (Rabbit) : > 2,000 mg/kg. Virtually nontoxic after a single skin contact. Method: calculation method.	
Acute inhalation toxicity.....	Acute toxicity estimate : > 20 mg/l. Method: calculation method. Test atmosphere: vapour. Exposure time: 4 h. Virtually nontoxic by inhalation.	
Skin corrosion/irritation.....	Result: Skin corrosion.	
Serious eye damage/eye irritation.....	Result: Corrosive to eyes.	
Respiratory or skin sensitisation.....	Non-sensitizing.	
Specific target organ toxicity (STOT) ..... single exposure	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.	
Aspiration hazard.....	No aspiration hazard expected.	
Chronic toxicity/effects		
Specific target organ toxicity (STOT) ..... repeated exposure	No known significant effects or critical hazards.	
Carcinogenicity.....	No carcinogenic substances as defined by IARC, NTP, OSHA and/or ACGIH.	
Reproductive toxicity.....	No known significant effects or critical hazards.	
Germ Cell Mutagenicity.....	2-Butoxyethanol had both positive and negative results in in vitro mutagenicity studies.	
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components.	

**PRODUCT: BEN'S DEGREASER****SECTION 11: TOXICOLOGICAL INFORMATION**

Symptoms of Exposure..... The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity..... May cause long-term adverse effects in the aquatic environment.  
Persistence and degradability..... Moderately persistent in the environment.  
Bioaccumulative potential..... No data available.  
Mobility in soil..... No data available.  
Other adverse effects..... No applicable information available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Disposal methods  
Waste disposal of substance..... Dispose of in accordance with national, state and local regulations.  
Container disposal ..... Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

**SECTION 14: TRANSPORT INFORMATION**

TDG classification..... UN1760 Corrosive liquids, n.o.s., (potassium hydroxide, monoethanolamine), Class 8, PGII.

**SECTION 15: REGULATORY INFORMATION**

WHMIS regulatory status..... This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.

**SECTION 16: OTHER INFORMATION**

Disclaimer..... The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

Prepared by: ..... CanChem Consultant  
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