

SAFETY DATA SHEET

Force Stripper

69991, 69992

Re-Order #'s: PF200, PF200



Pro-Link Canada

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IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Use of Preparation: Floor Stripper/Cleaner

Company Identification:

Pro-Link Canada
Box 67082, 421 Richmond Road
Ottawa, ON
K2A 4E4

Company Emergency Telephone Number(s):

(613) 722-0798

Transportation Emergency Telephone Number(s):

CANUTEC 613-996-6666 or *666 for cell phone

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HAZARD IDENTIFICATION

GHS Hazards: Skin corrosion/irritation Category 1A H314
Serious eye damage/eye irritation Category 2A H319
Aspiration hazard Category 1 H304

Hazard Pictograms :



GHS Label Elements, Including Precautionary Statement

Signal Word: DANGER

Hazard Statements: Causes severe skin burns and eye damage. Causes serious eye irritation. May be fatal if swallowed and enters airways.

Precautionary Statements: Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal: Dispose of contents/container according to local, provincial and federal regulations.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient Name	CAS#	Classification	% by Wt
2-aminoethanol	141-43-5	Flammable liquids Category 4 H227 Acute toxicity,dermal Category 4 H312 Acute toxicity,inhalation Category 4 H332 Acute toxicity,oral Category 4 H302 Skin corrosion/irritation Category 1A H314	10-15
Ethylene Glycol Monobutyl Ether	111-76-2	Flammable liquids Category 4 H227 Acute toxicity,oral Category 4 H302 Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 2A H319 Aspiration hazard Category 1 H304	15-40
Tetrasodium EDTA	64-02-8	Corrosive to Metals Category 1 H290 Acute toxicity,inhalation Category 4 H332 Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 1 H318 Carcinogenicity Category 2 H351	1-5

4 FIRST AID MEASURES

Inhalation: Remove victim to fresh air. If symptoms persist, call a physician. Moderately irritating to the eyes, nose, throat and lungs. High concentration of vapours will cause irritation, or if inhaled as a mist. Excessive exposure may cause irritation to upper respiratory tract. (Nose and Throat). Ethylene Glycol butyl ether: In humans, symptoms may include headache. In animal, effects have been reported to the following organs: Blood (hemolysis), secondary effects to the kidney and liver. Human red blood cells have shown to be significantly less sensitive to hemolysis than those of rabbits or rats.

Eye Contact: Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists get medical attention. Contact can result in corneal damage or blindness.

Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse. If irritation persists seek medical attention

Ingestion: Immediately call physician. DO NOT induce vomiting. Give several glasses of water. Never give anything by mouth if victim is unconscious or convulsing.

Most Important Symptoms and Effects: no available data

Notes to Physician: Treatment based on judgment of attending physician.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media:	As appropriate for burning of surrounding products
Unsuitable extinguishing media:	No data available
Special exposure hazards:	No data available
Special safety equipment:	Fire-fighters should wear chemical-resistant clothing (for example, chemical splash suit) and positive pressure self-contained breathing apparatus, approved by NIOSH/MSHA.
Fire and explosion:	Not considered to be a fire or explosive hazard
Further information:	None

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures:	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in Sections 7 and 8
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For Non-Emergency Personnel

Protective Equipment:	Use appropriate personal protection equipment (PPE).
Emergency Procedures:	Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment:	Equip cleanup crew with proper protection.
Emergency Procedures:	Stop leak if safe to do so. Ventilate area.
Environmental Precautions:	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and Material for Containment and Cleaning Up

For Containment:	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for Cleaning Up:	Clear up spills immediately and dispose of waste safely.
Reference to Other Sections:	See Heading 8. Exposure controls and personal protection.

7 HANDLING AND STORAGE

Precautions for safe handling:	Product is corrosive. Avoid contact with skin, eyes and clothing. Wear proper protective equipment
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Information about fire and explosion protection:	No special measures required.
Requirements to be met by storerooms and receptacles:	Store in a cool and dry location. Keep away from incompatible materials , (see section 10)
Information about storage in one common storage facility:	Store away from foodstuffs. Store in a cool, dry area. Keep away from incompatible materials, (see Sect. 10)
Further information about storage conditions:	Store in cool, dry conditions in well sealed receptacles.
Specific end use:	No further relevant information available.

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EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limit are exceeded or if irritation or other symptoms are experienced.
Hand protection:	Rubber, butyl rubber or neoprene gloves are recommended if skin contact might occur.
Eye protection:	Chemical goggles recommended. Face shield also recommended for handling large amounts.
Skin protection:	Personal protective equipment comprising of suitable protective gloves, safety glasses and protective clothing
Working hygiene:	Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.
Exposure Guidelines:	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

TWA ppm:
TWA mg_m³:
STEL ppm:
STEL mg_m³:

Ethylene Glycol Monobutyl Ether
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PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Clear, brown liquid
Molecular Weight:	No Data Available
Odour:	Butyl
Odour Threshold:	No Data Available
pH:	12.1-12.7
Melting Point:	No Data Available
Boiling Point:	No Data Available
Flash Point:	No Data Available
Evaporation Rate (BuAc=1):	No Data Available
Flammable Limits in Air:	No Data Available
Upper Flammability Limit:	No Data Available
Lower Flammability Limit:	No Data Available

Vapour Density (Air=1):	No Data Available
Vapour Pressure:	No Data Available
Specific Gravity:	0.99-1.00
Solubility in Water:	Complete
Log Pow (calculated):	No Data Available
Autoignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Viscosity:	as Water
Solubility in other Solvents:	No Data Available
Partition Coefficient:	No Data Available
n-octanol / Water:	No Data Available
Kinematic Viscosity:	No Data Available
Dynamic Viscosity:	No Data Available
Explosive Properties:	No Data Available
Percent Volatile by Volume:	No Data Available

10 STABILITY AND REACTIVITY

Reactivity:	Normally stable.
Chemical stability:	Stable under recommended handling and storage conditions (see section 7).
Thermal decomposition conditions to avoid:	Contact with product acids may generate heat.
Possibility of hazardous reactions:	not known
Conditions to avoid:	Contact with product acids may generate heat.
Hazardous decomposition products:	Thermal decomposition can produce toxic or corrosive gases such as oxides of sulphur, nitrogen or sodium.
Materials to avoid:	Strong acids, strong oxidizers.
Hazardous polymerization:	none

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Symptoms: Moderately irritating to the eyes, nose, throat and lungs. High concentration of vapours will cause irritation, or if inhaled as a mist. Excessive exposure may cause irritation to upper respiratory tract. Nose and Throat). Ethylene Glycol butyl ether: In humans, symptoms may include headache. In animal, effects have been reported to the following organs: Blood (hemolysis), secondary effects to the kidney and liver. Human red blood cells have shown to be significantly less sensitive to hemolysis than those of rabbits or rats.

Sensitization: No sensitizing effects known

Mutagenic Effects: No Data Available

Carcinogenicity: No Data Available

Reproductive Toxicity: No Data Available

STOT single exposure: No Data Available

STOT repeated exposure: No Data Available

Chronic Toxicity: Ethylene Glycol butyl ether: In long term animal studies, small but significant increases in tumors were observed in mice but not rats. The effects are not believed to be relevant to humans, If the material is handled in accordance to proper industrial handling, exposures should not pose a carcinogenic risk to man. Has been toxic to the fetus in lab animals at doses toxic to the mother. In animal studies, effects on reproduction have only been seen at doses that produced significant toxicity to the parent animal

Target Organ Effects: No data available

Aspiration hazard: no data available

LD/LC50 values relevant for classification: None

Listed Ingredients:

Ethylene Glycol Monobutyl Ether	LD 50 (oral) 1,300 mg/kg Rat LD 50 (oral) 1,400 mg/kg GuineaPig LD 50 (dermal) >2000 mg/kg Rat LC 50 (inhalation) >4.9 mg/L (Rat, 3h)
2-aminoethanol	LD 50 (oral) 1,515 mg/kg Rat LD 50 (dermal) 2,504 mg/kg Rabbit LC 50 (inhalation) >1.3 mg/L (Rat, 6 hours)
Tetrasodium EDTA	LD50 (oral) 3,030 mg/kg Rat LD50 (dermal) >5000 mg/kg Rabbit

Carcinogenicity

Ingredient Name	CAS#	IARC	NTP	OSHA
Tetrasodium EDTA	64-02-8	Group 2B: Possibly carcinogenic to humans _ due to max. 1% NTA component. Although large dietary doses of NTA have caused urinary tumors in laboratory animals, there is little likelihood that NTA could cause cancer in humans, especially at subtoxic doses. The trisodium salt of EDTA did not cause cancer in laboratory animals.		

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ECOLOGICAL INFORMATION

Toxicity: High pH (alkalinity) of material may be harmful to aquatic life.

Persistence and Degradability: No Data Available

Bioaccumulative Potential:	No Data Available
Mobility in Soil:	No Data Available
Other Information:	No Data Available
Aquatic Toxicity:	No Data Available
Toxicity to algae, fish, invertebrates:	No Data Available
Biodegradation:	No Data Available

13 DISPOSAL

Waste Disposal Recommendations:	Dispose of waste material in accordance with all local, regional, national, and international regulations.
Ecology – Waste Materials:	Avoid release to the environment.
Empty Containers:	Reuse if possible or triple rinse and dispose according to local, provincial, state and federal regulations

14 TRANSPORTATION INFORMATION

Department	Proper Shipping Name	Contains	Hazard Class	UN#	Packing Group
Canadian TDG (Road & Rail)	Corrosive Liquid, Basic, Organic, N.O.S.	Ethanolamine	8	3267	III

15 REGULATION

OSHA/WHMIS 2015 Classification:	Corrosive to Skin Fatal if swallowed and enters airways
California PROP 65:	This product contains the following Proposition 65 chemicals: NONE
Cdn Domestic Substance List (DSL):	All Ingredients Listed

HMIS III Rating

Health:
Flammability:
Physical:
Personal Protection:

16 OTHER INFORMATION

Prepared for:

Pro-Link Canada
Box 67082, 421 Richmond Road
Ottawa, ON
K2A 4E4
(613) 722-0798

Issuing Date	Version#	Reason for Revision
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Jun 1, 2016	1	
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Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet