MILLENIUM LIQUID CHISEL STRIPPER

1. IDENTIFICATION

Product name : MILLENIUM LIQUID CHISEL STRIPPER

Product code : 03-12210

Other means of identification : Not available.

Supplier : Wood Wyant
A division of Sani-Marc Group
42, rue de l'Artisan
Victoriaville, Québec
G6P 7E3
1-819-758-1541

Manufacturer : Wood Wyant
A division of Sani-Marc Group
42, rue de l'Artisan
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Identified uses : Industrial applications: Floor Stripper

Uses advised against : This product is formulated to be diluted. Do not use undiluted. Read product label before using. This product is not intended for domestic use.

Date of issue (YYYY-MM-DD) : 2017-10-16

In case of emergency : Emergency phone: CANUTEC (613) 996-6666 (Collect calls accepted)

2. HAZARDS IDENTIFICATION

Information in this section only concerns the product as supplied. Contact your account manager to get more information on diluted form hazards identification.

Product Classification : **ACUTE TOXICITY (oral) - Category 4**
SKIN CORROSION - Category 1B
EYE IRRITATION - Category 2A
Health Hazards Not Otherwise Classified - Category 1

Signal word : **Danger**

Hazard pictograms :

Hazard statements : Causes severe digestive tract burns.
May cause severe eye irritation.
May be harmful if swallowed
May cause severe skin burns.

Precautionary statements

General : Corrosive material. Handle with care. Read label before use. Keep out of reach of children.

Prevention : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Specific protective equipment is suggested for this product. See section 8 for details.

Response : IF INHALED: Move person to fresh air and keep comfortable for breathing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Rinse with water. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. In any case of exposure, get medical attention if symptoms appear or are severe.

Storage : Store in an appropriate location.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : No additional information.

Other hazards which do not result in classification : None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Mixture

Ingredient name	CAS number	% (w/w)
2-butoxyethanol	111-76-2	10 - 30
2-aminoethanol	141-43-5	10 - 30
sodium hydroxide	1310-73-2	1 - 5

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

Description of required first aid measures

Eye contact In case of contact with eyes, flush with fresh water. Check for and remove any contact lenses. Continue rinsing. If irritation persists, get medical attention. Chemical burns must be treated promptly by a physician. Get medical attention if blistering occurs or redness persists.

Skin contact Remove contaminated clothing and wash it before reuse. Chemical burns must be treated promptly by a physician. Get medical attention if blistering occurs or redness persists.

Ingestion Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Chemical burns must be treated promptly by a physician. Get medical attention if symptoms occur. Get medical attention if you feel unwell.

Inhalation Move victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Get medical attention if adverse health effects persist or are severe. Maintain an open airway.

Most important symptoms/effects, acute and delayed

Eye contact Adverse symptoms may include the following:
pain
watering
redness

Skin contact Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur

Ingestion Adverse symptoms may include the following:
stomach pains
nausea or vomiting
headache
diarrhea

Inhalation Adverse symptoms may include the following:
respiratory tract irritation
coughing

Notes to physician Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See toxicological information (Section 11)

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
metal oxide/oxides

Special fire-fighting procedures Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Initiate spill response procedures if required.
Personal protection	Put on appropriate personal protective equipment (see Section 8).
Cleaning method	Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See Section 8 for additional information on hygiene measures.
Storage and Incompatibility	Store in accordance with local regulations. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep out of reach of children. Store away from incompatible materials (see Section 10).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Ingredient name	Exposure limits
2-butoxyethanol	**CA Alberta Provincial (Canada, 4/2009). Skin sensitizer.** 8 hrs OEL: 97 mg/m³ 8 hours. 8 hrs OEL: 20 ppm 8 hours. **CA British Columbia Provincial (Canada, 2/2015).** TWA: 20 ppm 8 hours. **CA Ontario Provincial (Canada, 1/2013). Absorbed through skin.** TWA: 20 ppm 8 hours. **CA Quebec Provincial (Canada, 1/2014).** TWAEV: 20 ppm 8 hours. TWAEV: 97 mg/m³ 8 hours.
2-aminoethanol	**CA Alberta Provincial (Canada, 4/2009). Skin sensitizer.** 8 hrs OEL: 7.5 mg/m³ 8 hours. 8 hrs OEL: 3 ppm 8 hours. 15 min OEL: 15 mg/m³ 15 minutes. 15 min OEL: 6 ppm 15 minutes. **CA British Columbia Provincial (Canada, 2/2015).** TWA: 3 ppm 8 hours. STEL: 6 ppm 15 minutes. **CA Ontario Provincial (Canada, 1/2013).** TWA: 3 ppm 8 hours. TWA: 7.5 mg/m³ 8 hours. STEL: 6 ppm 15 minutes. STEL: 15 mg/m³ 15 minutes. **CA Quebec Provincial (Canada, 1/2014).** TWAEV: 3 ppm 8 hours. TWAEV: 7.5 mg/m³ 8 hours. STEV: 6 ppm 15 minutes. STEV: 15 mg/m³ 15 minutes.
sodium hydroxide	**CA Alberta Provincial (Canada, 4/2009). Skin sensitizer.** C: 2 mg/m³ **CA British Columbia Provincial (Canada, 2/2015).** C: 2 mg/m³ **CA Ontario Provincial (Canada, 1/2013).** C: 2 mg/m³ **CA Quebec Provincial (Canada, 1/2014).** STEV: 2 mg/m³ 15 minutes.

Appropriate engineering controls	If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

Eye/face protection	Continued or severe exposures might required to wear a face shield or chemical splash goggles. It is minimally suggested to wear safety glasses while using or handling this product.
Hands and Body protection	It is suggested to wear chemical-reisitant gloves while using or handling this product.
Respiratory protection	No specific protective equipment required under normal use conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid. [Limpid liquid]	**pH**	13.5	**Flash point**	Closed cup: >93°C (>199.4°F) [Estimated from available litterature] [Product does not sustain combustion.]
Color	Straw.	**Relative density**	1.041	**Melting point**	Not available.
Odor	Butyl	**Viscosity**	Not available.	**Boiling point**	Not available.
Odor threshold	Not available.	**Vapor pressure**	Not available.	**Fire point** :	Not available.
Solubility in water :	Not available.	**Vapor density** :	Not available.	**Evaporation rate** :	Not available.

Decomposition temperature : Not available.

Auto-ignition temperature : Not available.

Partition coefficient: n-octanol/ water : Not available.

Flammability (solid, gas) : Not available.

Lower and upper explosive (flammable) limits : Not available.

10. STABILITY AND REACTIVITY

Reactivity No specific test data related to reactivity available for this product or its ingredients.

Chemical stability The product is stable.

Incompatible materials Reactive or incompatible with acids.

Conditions to avoid No specific data.

Possibility of hazardous reactions May cause an exothermic reaction in presence of acids.

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

11. TOXICOLOGICAL INFORMATION

Route of exposure Routes of entry anticipated: Oral, Dermal.
Routes of entry not anticipated: Inhalation.

	Potential acute health effects	Symptoms
Eye contact	cause eye irritation	Adverse symptoms may include the following: pain watering redness
Skin contact	May cause skin burns	Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	Severely corrosive to the digestive tract. Causes severe burns. Harmful if swallowed. May cause burns to mouth, throat and stomach.	Adverse symptoms may include the following: stomach pains nausea or vomiting headache diarrhea
Inhalation	Inhalation of vapors or mist may cause respiratory tract irritation.	Adverse symptoms may include the following: respiratory tract irritation coughing

Toxicity data

Product/ingredient name	Result	Species	Dose	Exposure
2-butoxyethanol	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
	LC50 Inhalation Vapor	Rat	700 ppm	7 hours
	LD50 Dermal	Rabbit	220 mg/kg	-
	LD50 Dermal	Rabbit	400 mg/kg	-
	LD50 Oral	Mouse	1230 mg/kg	-
	LD50 Oral	Rat	250 mg/kg	-
	LD50 Oral	Rat	560 mg/kg	-
2-aminoethanol	LD50 Dermal	Rabbit	1000 mg/kg	-
	LD50 Oral	Rat	1720 mg/kg	-
sodium xylenesulphonate	LD50 Dermal	Rabbit	20800 mg/kg	-

Information on toxicological effects

Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
Sensitization	Not available.
Carcinogenicity	No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Ecotoxicity data

Product/ingredient name	Result	Species	Exposure
2-butoxyethanol	Acute EC50 >1000 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 800000 to 1000000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1250000 µg/l Marine water	Fish - Menidia beryllina	96 hours
2-aminoethanol	Acute EC50 22 mg/l	Algae	72 hours
	Acute EC50 8.42 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 65 mg/l	Daphnia	48 hours
	Acute LC50 >100000 µg/l Marine water	Crustaceans - Crangon crangon - Adult	48 hours
	Acute LC50 170 mg/l	Fish	72 hours
	Acute LC50 170000 µg/l Fresh water	Fish - Carassius auratus	96 hours
sodium hydroxide	Acute EC50 40.38 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 125 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours

Persistence and degradability : Unknown **Bioaccumulative potential** : Unknown **Mobility in soil** : Unknown **Other adverse effects** : Unknown

13. DISPOSAL CONSIDERATIONS

Disposal methods Dispose content and container in accordance with local, regional and national regulation in force.

14. TRANSPORT INFORMATION

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	TDG Placard
TDG Classification	1760	Corrosive liquid, n.o.s. (sodium hydroxide, ethanolamine)	8	II	

Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.40-2.42 (Class 8).

Special provisions
Limited quantity index 1L

Additional information See shipping documents for specific information on DOT, IMDG or IATA

15. REGULATORY INFORMATION

Canadian lists

Canadian NPRI	The following components are listed: 2-Butoxyethanol
CEPA Toxic substances	The following components are listed: 2-butoxyethanol
Canada inventory	All components are listed or exempted.

International lists

United States Not determined.

16. OTHER INFORMATION

Hazardous Material Information System (U.S.A.)

Health Hazard	2
Fire Hazard	0
Reactivity	0
Personal Protection	B

Date of issue/Date of revision (YYYY-MM-DD) : 2017-10-16

Prepared by : **Regulatory Affairs Department**

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Final determination of 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.