

1 Identification

- **Product name:** EP83 FLOOR STRIPPER
- **Article number:** 2242278001, 2242334001
- **Recommended use:**
Paint remover
Floor stripper
- **Restrictions on use:** All other uses than those indicated on the product label and technical data sheet
- **Manufacturer:**
Avmor LTD
950, Michelin
Laval, QC, H7L 5C1
Canada
1-800-387-8074
www.avmor.com
- **Emergency telephone number:** CANUTEC 1-613-996-6666

2 Hazard identification

- **Classification of the product as sold:**
Flam. Liq. 3 H226 Flammable liquid and vapour.
Skin Corr. 1C H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

- **Label elements**
- **Hazard pictograms:**



GHS02 GHS05 GHS07

- **Signal word:** Danger
- **Hazard statements:**
Flammable liquid and vapour.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May cause respiratory irritation. May cause drowsiness or dizziness.
- **Precautionary statements:**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Use explosion-proof [electrical/ventilating/lighting] equipment.
Do not breathe dust/fume/gas/mist/vapours/spray.
Ground and bond container and receiving equipment.
Wear protective gloves/protective clothing/eye protection/face protection.

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Use non-sparking tools.

Take actions to prevent static discharges.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If skin irritation or rash occurs: Get medical advice/attention.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Immediately call a POISON CENTER or a doctor.

IN CASE OF FIRE: Use for extinction: CO₂, powder or water spray.

Wash contaminated clothing before reuse.

Take off contaminated clothing and wash it before reuse.

Store locked up.

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

Store in a well-ventilated place. Keep cool.

Dispose of contents and container in accordance with local, regional and national regulations.

· **Classification system**· **NFPA ratings (scale 0 - 4):**

Health = 2

Fire = 3

Reactivity = 0

· **Hazard not otherwise classified:** None Known· **Notes:** For the wording of the listed abbreviations refer to section 16.· **Product AT USE DILUTION:** N/A**3 Composition/Information on ingredients**· **Chemical characterization:** Mixtures· **Description:** Aqueous mixture consisting of the following components:· **Components:**

141-43-5	2-Aminoethanol	10-30%
64-17-5	Ethanol	10-30%
107-21-1	Ethylene Glycol	7-13%
68439-46-3	Alcohols C9-C11 Ethoxylated	1-5%
34398-01-1	Undecan-1-ol, ethoxylated	0.5-1.5%
8008-57-9	Orange oil	0.1-1.0%

· **Additional information:** Any concentration shown as a range is to protect confidentiality or is due to batch variation.**4 First aid measures**· **Description of first aid measures**· **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation. Get medical attention.

· **After skin contact:**

Remove immediately all contaminated clothing. Rinse skin with water or shower for at least 15 minutes. Consult a doctor if skin redness and irritation persist.

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- **After eye contact:**
Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so. Continue rinsing for a minimum of 15 to 60 minutes. Then consult a doctor.
- **After ingestion:**
Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

5 Firefighting measures

- **Suitable extinguishing media:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Specific hazards arising from the product:** During heating or in case of fire poisonous gases are produced.
- **Special protective equipment and precautions for fire-fighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
- **Additional information:** See Section 9 for the flammability characteristics of this product.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Mount respiratory protective device.
Wear recommended protective equipment(s). Keep unprotected persons away.
Protective gloves (See Protection of Hands)
Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from organic vapors.
- **Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.
- **Methods and material for containment and cleaning up:**
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent (eg. food vinegar (5% acetic acid), citric acid, sodium bicarbonate in excess)
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling:** Ensure good ventilation at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Conditions for safe storage, including any incompatibilities:**
Keep in the original receptacle tightly sealed.
Store under lock and key and out of the reach of children.
- **Specific end use(s):** No further relevant information available.

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8 Exposure controls/ Personal protection**· Components with limit values that require monitoring at the workplace:****141-43-5 2-Aminoethanol**

EL	Short-term value: 6 ppm Long-term value: 3 ppm
EV	Short-term value: 15 mg/m ³ , 6 ppm Long-term value: 7.5 mg/m ³ , 3 ppm

64-17-5 Ethanol

EL	Short-term value: 1000 ppm
EV	Long-term value: 1.900 mg/m ³ , 1.000 ppm

107-21-1 Ethylene Glycol

EL	Short-term value: 20** mg/m ³ Long-term value: 10** mg/m ³ Ceiling limit value: 100* mg/m ³ , 50*** ppm *Aerosol; **Particulate; ***Vapour
EV	Ceiling limit value: 100 mg/m ³

· Undiluted Product**· Personal protective equipment:**

Respiratory protective equipment (If applicable, see breathing equipment for more details)



Safety glasses (See Eye protection)



Alkaline resistant gloves

· General protective and hygienic measures:

Avoid contact with the eyes and skin.

The usual precautionary measures for handling chemicals should be followed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not carry product impregnated cleaning cloths in trouser pockets.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Use suitable respiratory protective device when high concentrations are present.

If room is well-ventilated, a respirator is not needed under normal and intended conditions of product use.

· Protection of hands:

Protective Gloves

Alkaline resistant gloves

The glove material has to be impermeable and resistant to the product.

Check protective gloves prior to each use for their proper condition

· Eye protection:

Safety glasses are suggested when using this product in heavy use and institutional environments

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Wear splash-proof chemical goggles in an industrial environment.

· Body protection:

Protective clothing is recommended only under exceptional circumstances such as fire or spill of concentrated product

Alkaline resistant protective clothing (recommended)

9 Physical and chemical properties

- **Form:** Liquid
- **Colour:** Colorless to slight yellow
- **Odour:** Agrume/orange.
- **Odor threshold:** Not determined
- **pH-Value:** 10.5 - 11.5 (25 °C)
- **Melting point/Melting range:** Not determined
- **Boiling point/Boiling range:** Undetermined.
- **Fusion temperature / range:** Not determined
- **Flash point:** N/D
- **Flammability (solid, gaseous):** Not applicable

- **Ignition temperature:** N/D

- **Decomposition temperature:** Not determined

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

- **Explosion limits:**
 - Lower:** N/D
 - Upper:** N/D

- **Vapour pressure:** N/D
- **Relative density:** 0.975 - 0.995 (25 °C)
- **Vapour density (air=1):** <1 (aqueous solution)
- **Evaporation rate:** Not determined
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.

- **Partition coefficient (n-octanol/water):** Not determined

- **Solvent content:**
 - VOC content:** N/D

10 Stability and reactivity

- **Reactivity:** Not determined.
- **Chemical stability:** The product is stable.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:**
 - Flammable.
 - Reacts with acids.
- **Conditions to avoid:** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** This product can react with strong oxidizing agents and strong acids.

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· Hazardous decomposition products:Carbon monoxide (CO) and carbon dioxide (CO₂)

In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

11 Toxicological information**· Information on the likely routes of exposure****· Numerical measures of acute toxicity:**

· Components	Type	Value (Species)
Mean of exposure		
ATE (Acute Toxicity Estimates)		
Oral	LD50	6405 mg/kg (Rat)
Dermal	LD50	3424 mg/kg (Rabbit)
Inhalative	LC50 (4 h)	39.6 mg/L
141-43-5 2-Aminoethanol		
Oral	LD50	2050 mg/kg (Rat)
Dermal	LD50	1000 mg/kg (Rabbit)
Irritation of skin	OECD guideline 404	cat. 1 (Rabbit)
Irritation of eyes	OECD, guideline 405	cat. 1B (Rabbit)
Sensitization	OECD, guideline 406	not classified (guinea pig)
64-17-5 Ethanol		
Oral	LD50	7060 mg/kg (Rat)
Inhalative	LC50 (4 h)	20000 mg/L (Rat)
107-21-1 Ethylene Glycol		
Oral	LD50	5840 mg/kg (Rat)
Dermal	LD50	9530 mg/kg (Rabbit)
68439-46-3 Alcohols C9-C11 Ethoxylated		
Oral	LD50	1378 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rabbit)
Irritation of skin	OECD guideline 404	Not classified. (Rabbit)
Irritation of eyes	OECD, guideline 405	cat. 1 (Rabbit)
Sensitization	OECD, guideline 406	Not classified. (guinea pig)
34398-01-1 Undecan-1-ol, ethoxylated		
Oral	LD50	1400 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rabbit)
Irritation of skin	OECD guideline 404	Not Classified. (Rabbit)
Irritation of eyes	OECD, guideline 405	cat. 1 (Rabbit)
8008-57-9 Orange oil		
Oral	LD50	4750 mg/kg (Rat)
	LC50	6100 mg/L (Mouse)

· Symptomes related to the physical, chemical and toxiological characteristics**· If on the skin:** CORROSIVE: Strong caustic effect on skin and mucous membranes.**· If on the eye:**

CORROSIVE: Strong caustic effect.

Strong irritant with the danger of severe eye injury.

· After ingestion: May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.

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- **Sensitization:** Sensitization possible through skin contact.
- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure:**
Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.

- **Carcinogenic categories:**

· IARC (International Agency for Research on Cancer)	
64-17-5	Ethanol
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· NTP (National Toxicology Program)
None of the ingredients is listed.

12 Ecological information

- **Persistence and degradability:**
The surfactants and organic compounds contained in this product are readily biodegradable according to the OECD 301 guideline.
- **Bioaccumulative potential:** Does not accumulate in organisms.
- **Mobility in soil:** Not determined
- **Ecotoxicity:** No relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods recommendation:**
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with local authority requirements.
Dispose in accordance with all applicable federal, state, provincial and local laws and regulations. Contact your local, state, provincial or Federal environmental agency for specific rules.
- **Uncleaned packagings recommendation:**
Do not re-use empty containers.
Dispose of packaging according to regulations on the disposal of packagings.
- **Recommended cleansing agent:**
Water
Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** UN2924
- **UN proper shipping name**
- **DOT+TDG** Flammable liquid, corrosive, n.o.s. (Ethanolamine, Ethanol)
- **IMDG** FLAMMABLE LIQUID, CORROSIVE, N.O.S. (ETHANOLAMINE, ETHANOL (ETHYL ALCOHOL)), MARINE POLLUTANT
- **IATA** FLAMMABLE LIQUID, CORROSIVE, N.O.S. (ETHANOLAMINE, ETHANOL)
- **Transport hazard class(es)**
- **DOT, IMDG, IATA**
- **Class** 3 Flammable liquids
- **Packing group**
- **DOT, IMDG, IATA** III

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15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Canadian substance listings
- Canadian Domestic Substances List (DSL) Not all the ingredients are listed

· Canadian Ingredient Disclosure list (limit 0.1%)	
64-17-5	Ethanol

· Canadian Ingredient Disclosure list (limit 1%)	
141-43-5	2-Aminoethanol
107-21-1	Ethylene Glycol

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

- **Department issuing SDS:**

Prepared by :

Regulatory Affairs Department

- **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

P: Marine Pollutant

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent