

SAFETY DATA SHEET

NR SPEED STRIPPER

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Product name : NR SPEED STRIPPER

Product No. : 02888FX

Use of the substance/preparation : Floor finish remover

Company/undertaking identification

Manufacturer : Essential Industries, Inc.
P.O. Box 12
28391 Essential Rd.
Merton, WI 53056-0012 USA

Supplier : Essential Industries, Inc.
P.O. Box 12
28391 Essential Rd.
Merton, WI 53056-0012 USA

Emergency telephone number : 001-262-821-7814

2. Composition/information on ingredients

Substance/Preparation : Preparation

Ingredient Name	CAS number	%	EC Number	Classification
2-butoxyethanol	111-76-2	22	203-905-0	Xn; R20/21/22 Xi; R36/38
2-Aminoethanol	141-43-5	1-5	205-483-3	Xn; R20 Xi; R36/37/38
See Section 16 for the full text of the R Phrases declared above				

* Occupational Exposure Limit(s), if available, are listed in section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xn; R20/21/22
Xi; R36

Human health hazards : Harmful by inhalation, in contact with skin and if swallowed.
Irritating to eyes.

See Section 11 for more detailed information on health effects and symptoms.

4. First aid measures

First aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Specific treatments : None identified.

See Section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical, or CO₂.
- Special exposure hazards** : No specific hazard.
Not available.
- Hazardous thermal decomposition products** : None.
- Special protective equipment for fire-fighters** : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Remark** : No additional remark.

6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
- Environmental Precautions and Clean-up Methods** : Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.
If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Do not ingest. Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** : Industrial applications

8. Exposure controls/personal protection

<u>Ingredient Name</u>	<u>Occupational Exposure Limits</u>
2-butoxyethanol	EH40-OES (United Kingdom (UK), 2002). Skin STEL: 50 ppm 15 minute(s). TWA: 25 ppm 8 hour(s).
2-Aminoethanol	EH40-OES (United Kingdom (UK), 2002). STEL: 15 mg/m ³ 15 minute(s). STEL: 6 ppm 15 minute(s). TWA: 7.6 mg/m ³ 8 hour(s). TWA: 3 ppm 8 hour(s).

- Recommended monitoring procedures** : Good general ventilation should be sufficient to control airborne levels.
- Exposure controls**
- Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
- Respiratory protection** : Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
- Hand protection** : Use chemical resistant, impervious gloves.
- Eye protection** : Safety glasses. Goggles, face shield, or other full-face protection if potential exists for direct exposure to aerosols or splashes.
- Skin protection** : Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Appropriate techniques should be used to remove potentially contaminated clothing.

9. Physical and chemical properties

General information

Appearance

- Physical state** : Liquid.
Color : Colorless.
Odor : Solvent.

Important health, safety and environmental information

- pH** : 10.5 - 11.5
Boiling Point : 100°C (212°F)
Melting Point : 0°C (32°F)
Flash point : Not applicable.
Explosive properties : Not considered as a product presenting risks of explosion.
Oxidizing Properties : Not available.
Vapor Pressure : <3.999 kPa (<30 mm Hg) (at 20°C)
Relative density : Weighted average: 0.38 g/cm³
Solubility : Soluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.
Octanol/water partition coefficient : Not determined.
Viscosity : Not determined.
Vapor Density : <1 (Air = 1)
Evaporation rate (butyl acetate = 1) : The highest known value is 0.36 (water) Weighted average: 0.29 compared to Butyl acetate.

Other information

10. Stability and reactivity

- Stability** : The product is stable.
Conditions to avoid : Acids, aluminums and other soft metals.
Materials to avoid : Not considered to be reactive.
Hazardous decomposition products : None.

11. Toxicological information

Potential Acute Health Effects

- Inhalation** : Harmful by inhalation.
Ingestion : Harmful if ingested.
Skin contact : Harmful in contact with skin.
Eye contact : Irritating to eyes.

Acute toxicity

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
2-butoxyethanol	LD50	470 mg/kg	Oral	Rat
	LD50	300 mg/kg	Oral	Rabbit
	LD50	1200 mg/kg	Oral	Guinea pig
	LD50	220 mg/kg	Dermal	Rabbit
2-Aminoethanol	LD50	1720 mg/kg	Oral	Rat
	LD50	620 mg/kg	Oral	Guinea pig
	LD50	700 mg/kg	Oral	Mouse
	LDLo	1400 mg/kg	Oral	Mammal

- Carcinogenicity** : No carcinogenic effect known.
Mutagenicity : No mutagenic effect.
Reproductive toxicity : No teratogenic effect.

Over-exposure signs/symptoms

- Target Organs** : The substance is toxic to mucous membranes, skin, eyes.
Other adverse effects : Not available.

12. Ecological information

Ecotoxicity Data

<u>Ingredient Name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
2-butoxyethanol	Lepomis macrochirus (LC50)	96 hour(s)	1490 mg/l
2-Aminoethanol	Oncorhynchus mykiss (LC50)	96 hour(s)	150 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	150 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	>200 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	300 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>300 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	329.16 mg/l

Mobility : Not available.

Other adverse effects : Not available.

13. Disposal considerations

Methods of disposal : Avoid contact of spilled material and runoff with soil and surface waterways. Dispose of according to all federal, state and local applicable regulations.





Waste Classification : Not applicable.

European Waste Catalogue (EWC) : Not available.

Hazardous Waste : The classification of the product may meet the criteria for a hazardous waste

14. Transport information

International transport regulations

<u>Regulatory information</u>	<u>UN number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing Group</u>	<u>Label</u>	<u>Additional information</u>
ADR/RID Class	1719	Caustic alkali liquid, n.o.s. (Monoethanolamine)	8	III		EmS: F-A, S-B
ADN Class	1719	Caustic alkali liquid, n.o.s. (Monoethanolamine)	8	III		EmS: F-A, S-B
IMDG Class	1719	Caustic alkali liquid, n.o.s. (Monoethanolamine)	8	III		EmS: F-A, S-B
IATA-DGR Class	1719	Caustic alkali liquid, n.o.s. (Monoethanolamine)	8	III		EmS: F-A, S-B

15. Regulatory information

EU Regulations

Hazard symbol(s) :



Harmful

Risk phrases :

R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
R36- Irritating to eyes.

Safety phrases :

S24/25- Avoid contact with skin and eyes.
S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
S46- If swallowed, seek medical advice immediately and show this container or label.

NR SPEED STRIPPER

Contains	: 2-butoxyethanol	203-905-0
Product Use	: Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use. - Industrial applications	
EC Statistical Classification (Tariff Code)	: 32089091	

National regulations

16. Other information

Full text of R phrases referred to in Sections 2 and 3 - United Kingdom (UK) : R20- Harmful by inhalation.
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
R36- Irritating to eyes.
R36/37/38- Irritating to eyes, respiratory system and skin.
R36/38- Irritating to eyes and skin.

Full text of classifications referred to in Sections 2 and 3 - United Kingdom (UK) : Xn - Harmful
Xi - Irritant

Further information : UBA No. 29160009

HISTORY

Date of printing : 5/23/2005.
Date of issue : 5/22/2005.
Date of Previous Issue : No Previous Validation.
Version : 1
Prepared by : Regulatory Affairs.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
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.

Version

1

Page: 5/5