

# Material Safety Data Sheet

#47 Cleaner / Degreaser

## 1. Product and company identification

Product name	#47 Cleaner / Degreaser	In case of emergency	1-800-843-6174
Code	301322	Validation date	2/2/2009.
Material uses	Concentrated Degreaser	Print date	2/20/2009.
Manufacturer	Essential Industries, Inc. P.O. Box 12 Merton, WI 53056-0012	Responsible name	Regulatory Affairs Department

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

Health	* 1	HAZARD RATING
Flammability	0	4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
Physical hazards	0	
Personal protection	B	

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

## 2. Hazards identification

Emergency overview	CAUTION! MAY BE HARMFUL IF SWALLOWED. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. May be harmful if swallowed. Do not ingest. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Contains material that may cause target organ damage, based on animal data. Wash thoroughly after handling.
--------------------	--

### Potential acute health effects due to overexposure

Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	Harmful if swallowed.
Skin	No known significant effects or critical hazards.
Eyes	No known significant effects or critical hazards.

### Potential chronic health effects due to overexposure

Carcinogenicity	No known significant effects or critical hazards.
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.

See toxicological information (section 8)

## 3. Composition/information on ingredients

Name	CAS number	%
2-aminoethanol	141-43-5	1 - 5

## 4. First aid measures

Eye contact	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Inhalation	Move exposed person to fresh air.
Ingestion	Wash out mouth with water. Get medical attention immediately.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.
Notes to physician	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

## 5. Fire-fighting measures

Flammability of the product	No specific hazard.
Extinguishing media	
Suitable	Use an extinguishing agent suitable for the surrounding fire.
Special exposure hazards	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.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon oxides (CO, CO <sub>2</sub> ) nitrogen oxides metal oxide/oxides

## 5. Fire-fighting measures

**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. Control and preventive measures

**Storage** Store in accordance with local regulations.

Ingredient	Exposure limits
2-aminoethanol	<b>ACGIH TLV (United States, 1/2008).</b> TWA: 3 ppm 8 hour(s). <b>OSHA PEL (United States, 11/2006).</b> TWA: 3 ppm 8 hour(s).

### Personal protection

**Respiratory** None required. However, use of adequate ventilation is good industrial practice.

**Hands** Latex gloves. Double latex gloves should be considered.

**Skin** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Eyes** Safety glasses. Goggles, face shield or other full-face protection should be worn if there is a risk of direct exposure to aerosols or splashes.

### Methods for cleaning up

**Small spill** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

**Waste disposal** Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

## 7. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Boiling/condensation point</b>	100°C (212°F)
<b>Color</b>	Colorless (No dye added)	<b>Melting/freezing point</b>	0°C (32°F)
<b>Odor</b>	Bland (No fragrance added)	<b>Vapor pressure</b>	<4 kPa (<30 mm Hg)
<b>VOC</b>	0.0%	<b>Vapor density</b>	<1 [Air = 1]
<b>pH</b>	10.7 to 11.7	<b>Weight per Gallon:</b>	8.51 lbs./gal.
<b>1% pH:</b>	11.2	<b>Specific Gravity:</b>	1.02 gm/ml

## 8. Toxicological information

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-aminoethanol	LD50 Oral	Rat	1720 mg/kg	-

**Conclusion/Summary** No additional remark.

### Chronic toxicity

**Conclusion/Summary** Not applicable

## 9. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>DOT Classification</b>	Not regulated	-	-	-		-

PG\* : Packing group