

# Material Safety Data Sheet



2-in-1 Concentrated Floor Cleaner & Degreaser

## Section 1. Chemical product and company identification

**Trade name** : 2-in-1 Concentrated Floor Cleaner & Degreaser  
**Supplier** : Kay Chemical Company  
8300 Capital Drive  
Greensboro NC 27409  
1-800-529-5458 (Customer Service)  
**Code** : 908372  
**Date of issue** : **24-March-2008**

**EMERGENCY HEALTH INFORMATION: 1-800-304-0824**  
**Outside United States and Canada CALL 0-303-592-1709**

## Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
sodium hydroxide	1310-73-2	7
alcohols, c10-14, ethoxylated	66455-15-0	1 - 5
2-aminoethanol	141-43-5	1 - 5
xylenesulfonic acid, sodium salt	1300-72-7	1 - 5
glycine, n,n-bis(carboxymethyl)-, trisodium salt	5064-31-3	<1.0

## Section 3. Hazards identification

**Physical state** : Liquid.  
**Emergency overview** : Danger!  
CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.  
CAUSES RESPIRATORY TRACT IRRITATION.  
MAY BE HARMFUL IF SWALLOWED.  
Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Keep container closed. Wash thoroughly after handling.

### Potential acute health effects

**Eyes** : Corrosive to eyes.  
**Skin** : Corrosive to the skin.  
**Inhalation** : Severely irritating to the respiratory system.  
**Ingestion** : Causes burns to mouth, throat and stomach. May be harmful if swallowed.

See toxicological information (section 11)

## Section 4. First aid measures

**Eye contact** : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Inhalation** : If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention immediately.

**Ingestion** : If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5. Fire fighting measures

<b>Flash point</b>	: > 100°C
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
<b>Fire-fighting media and instructions</b>	: Use an extinguishing agent suitable for the surrounding fire.  Dike liquid for later disposal. In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

<b>Personal precautions</b>	: Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Do not allow to enter drains or watercourses.
<b>Environmental precautions</b>	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
<b>Methods for cleaning up</b>	: 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 sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

## Section 7. Handling and storage

<b>Handling</b>	: Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
<b>Storage</b>	: Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.

## Section 8. Exposure controls, personal protection

<b>Engineering measures</b>	: Use only with adequate ventilation. 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. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.
<b>Personal protection :</b>	
<b>Eyes</b>	: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
<b>Hands</b>	: Use chemical-resistant, impervious gloves.
<b>Skin</b>	: Use synthetic apron, other protective equipment as necessary to prevent skin contact.
<b>Respiratory</b>	: Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.
<b>Name</b>	<b><u>Exposure limits</u></b>

sodium hydroxide	<b>ACGIH TLV (United States, 1/2006).</b> CEIL: 2 mg/m <sup>3</sup> <b>OSHA PEL (United States, 11/2006).</b> TWA: 2 mg/m <sup>3</sup> 8 hour(s).
2-aminoethanol	<b>ACGIH TLV (United States, 1/2006).</b> STEL: 15 mg/m <sup>3</sup> 15 minute(s). STEL: 6 ppm 15 minute(s). TWA: 7.5 mg/m <sup>3</sup> 8 hour(s). TWA: 3 ppm 8 hour(s). <b>OSHA PEL (United States, 11/2006).</b> TWA: 6 mg/m <sup>3</sup> 8 hour(s). TWA: 3 ppm 8 hour(s).

## Section 9. Physical and chemical properties

Physical state	: Liquid.
pH	: 13.1
Specific gravity	: 1.129

## Section 10. Stability and reactivity

<b>Stability</b>	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Potential acute health effects

<b>Eyes</b>	: Corrosive to eyes.
<b>Skin</b>	: Corrosive to the skin.
<b>Inhalation</b>	: Severely irritating to the respiratory system.
<b>Ingestion</b>	: Causes burns to mouth, throat and stomach. May be harmful if swallowed.

### Potential chronic health effects

<b>Target organs</b>	: Contains material which causes damage to the following organs: kidneys, liver. Contains material which may cause damage to the following organs: lungs, upper respiratory tract, central nervous system (CNS).
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## Section 12. Ecological information

## Section 13. Disposal considerations

<b>Waste disposal</b>	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. 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.
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Consult your local or regional authorities.

## Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	UN1760	CORROSIVE LIQUID, N.O.S. (sodium hydroxide)	8	III	Not available.

**APPLIES ONLY DURING ROAD TRANSPORT**

Any variation of the shipping description based on the packaging is not addressed.

**Section 15. Regulatory information**

- HCS Classification** : Corrosive material  
Target organ effects
- U.S. Federal regulations** : **United States inventory (TSCA 8b)**: All components are listed or exempted.  
SARA 302/304/311/312 extremely hazardous substances: No products were found.  
SARA 302/304 emergency planning and notification: No products were found.
- California Prop. 65** : No products were found.

**Section 16. Other information**

Hazardous Material Information System (U.S.A.) :	Health	*	3
	Flammability		0
	Physical hazards		0

- Date of issue** : 24-March-2008.
- Responsible name** : Regulatory Affairs
- Date of previous issue** : No previous validation.

**Notice to reader**

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**