

MATERIAL SAFETY DATA SHEET  
FOR COATINGS, RESINS AND RELATED MATERIALS

HAZARD RATING 0 - MINIMAL 3 - SERIOUS  
1 - SLIGHT 4 - SEVERE  
2 - MODERATE \* - CHRONIC

HMIS RATING HEALTH - \* 3 FLAMMABILITY - 0 REACTIVITY - 1

SECTION I

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DATE OF PREPARATION 04/20/07  
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PRODUCT CLASS SURFACE COATING TRADE NAME #11661 COMPOSITE DECK CLEANER MFG PRODUCT NO. 39-12A

SECTION II - HAZARDOUS INGREDIENTS

NT INGREDIENT	CAS#	ACGIH TLV		ACGIH STEL		OSHA PEL		OSHA CEILING		LEL % VOLUM	VAPOR PRESS mm/Hg	% BY DEG F	Wght
		PPM	mg/m3	PPM	mg/m3	PPM	mg/m3	PPM	mg/m3				
NON-HAZARDOUS COMPONENT: Water 7732-18-5													
Citric Acid	77-92-9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	@ ---	60.9
C Glycol Ether Compd. (skin)	111-76-2	20.00	100.0	-----	-----	50.00	240.0	-----	-----	1.100	0.600 @	68.	3.88
WI Sodium Hydroxide	1310-73-2	-----	2.000	-----	-----	-----	2.000	-----	-----	-----	-----	@ ---	0.99

C -This toxic chemical is subject to the reporting requirements of both Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372) and the Wisconsin Dept. of Natural Resources Administrative Code Chapter NR445.  
VHAP = VOLATILE HAZARDOUS AIR POLLUTANT (VAPOR) HAP = HAZARDOUS AIR POLLUTANT (SOLID)  
(skin) = OSHA Skin Absorption Hazard

WI-This chemical is subject to reporting procedures outlined in the Wisconsin Department of Natural Resources Administrative Code Chapters NR438 and/or NR445.

SECTION III - PHYSICAL DATA

BOILING RANGE 212-343 F	VOC KG/KG SOLIDS=.11	VOC (WITH WATER AND EXEMPT SOLV) = .38 LBS/GAL	46 GMS/LITER
	% HAPS BY WEIGHT=	VOC (LESS WATER AND EXEMPT SOLV) = 1.24 LBS/GAL	149 GMS/LITER
VAPOR DENSITY	EVAPORATION RATE	%VOLATILE BY WEIGHT	%VOLATILE BY VOLUME
		WEIGHT PER GALLON	SPECIFIC GRAVITY
VAPOR DENSITY HEAVIER THAN AIR	EVAPORATION RATE SLOWER THAN ETHER	64.92	74.03
		9.4894	1.139
			8.32

SECTION IV - FIRE & EXPLOSION HAZARDS

PROPER SHIPPING NAME - NOT REGULATED, WATER BASED PRODUCT KEEP FROM FREEZING  
SHIPPING LABEL - KEEP FROM FREEZING LABEL FLASHPOINT N/A

EXTINGUISHING MEDIA: Water based product. Flashpoint for this product is listed as N/A or Not Applicable due to the presence of water. If water has boiled off, this product may exhibit properties of a Class II, IIIA, or IIIB liquid. If needed, extinguishing agents for Class B fires may be used.

UNUSUAL FIRE & EXPLOSION HAZARDS: Water based product. Sealed containers may explode if exposed to extreme heat. Frozen containers may expand and leak contents when thawed. Water soluble liquids are non-accumulators of static charge. Static protection precautions such as container bonding or grounding would not be necessary. Flash point listed as N/A or not applicable due to the presence of water. Reference NPCA "Evaluation of the Fire Hazard of Water-Borne Coatings"

SPECIAL FIRE FIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure buildup. Keep people away from any fire fighting operations involving chemicals. Wear a self-contained positive pressure breathing apparatus in addition to full protective gear.

## SECTION V - HEALTH HAZARD

EFFECTS OF OVEREXPOSURE: Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggered gait, confusion, unconsciousness, coma. There is no applicable information available regarding the carcinogen potential for this product as a whole, however any relevant information regarding any ingredient's status as a potential, suspect, or confirmed carcinogen is listed in SECTION V of the MSDS.

Chronic overexposure may damage the liver and/or kidneys, blood cells, cause cardiac sensations, hearing effects, and/or cause birth or fertility defects in lab animals.

Repeated and prolonged exposure to some solvents has been associated with permanent brain and nervous system damage.

Intentional misuse by deliberately concentrating & inhaling vapors from this product may be harmful or fatal.

Chronic overexposure may cause blood disorders.

This product contains a glycol ether compound which is on the Pennsylvania & New Jersey Right-to-Know Lists. Chemical Name: ethanol, 2-butoxy- CAS# 111-76-2. (2-BUTOXYETHANOL) \* potential chronic health hazard.

Exposure Limits for Sodium Hydroxide (CAS# 1310-73-2) ACGIH(TLV): Ceiling = 2.0 mg/m3.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Preexisting eye, skin, central nervous system, digestive tract, and respiratory tract. May adversely affect persons with liver, kidney & blood forming organ disorders.

ROUTE(S) OF ENTRY: Inhalation, skin contact absorption, eye contact. Products that are free-flowing liquids or pastes are not expected to have routes of exposure for dust. Dried product residue may exhibit dust inhalation hazards.

INHALATION: Extremely severe irritant to the respiratory tract. If inhaled or aspirated, patient should be treated for an acute upper airway burn. Prolonged overexposure may result in serious lung tissue damage, pulmonary edema and even death from respiratory failure. FIRST AID: GET IMMEDIATE EMERGENCY MEDICAL ASSISTANCE. Give oxygen at high levels. Transport to a medical center where special pulmonary care is available.

EYE CONTACT: CORROSIVE! Causes painful stinging and burning of the eyes and eyelids. Exposure may rapidly cause severe damage to the eyes. Permanent loss of sight is possible. FIRST AID: Immediately flood the eyes with large amounts of water for 15 minutes. Do not give chemical antidotes. Keep eyelids lifted, flood the entire contaminated area. Obtain immediate emergency medical assistance.

SKIN CONTACT: Corrosive to skin. Causes severe damage. FIRST AID: Immediately wash all affected areas with large amounts of soap and water. Use emergency shower if provided. Remove contaminated clothing and shoes. GET IMMEDIATE EMERGENCY MEDICAL ATTENTION!

SKIN ABSORPTION: May be absorbed through skin tissues. Chronic overexposure to the skin without using protective barriers (gloves, aprons, etc.) may cause toxic effects.

INGESTION: May cause severe chemical burn damage to the mouth and the gastrointestinal tract, if large quantities are ingested, exposure may be toxic and cause great harm. FIRST AID: DO NOT INDUCE VOMITING!! Vomiting will cause further damage. Give conscious person large amounts of milk or water. IMMEDIATELY SEEK EMERGENCY MEDICAL ASSISTANCE! Never give anything by mouth to an unconscious person. Treat injured victim for shock, monitor blood pressure.

## SECTION VI - REACTIVITY DATA

STABILITY: \_\_\_ UNSTABLE \_\_\_ XX STABLE

INCOMPATIBILITY(materials to avoid): Strong oxidizers. Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide/monoxide.

HAZARDOUS POLYMERIZATION: \_\_\_ May Occur \_\_\_ XX Will Not Occur

CONDITIONS TO AVOID: Container is not a pressure vessel. Do not stack pails more than 5 high. KEEP FROM FREEZING!

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dike spilled area and collect with inert absorbent material. If in a confined area, avoid breathing vapors and use a respiratory protection device (See Section VIII). Follow local, state and federal spill notification procedures.

WASTE DISPOSAL: Consult licensed waste handling and/or transportation facility. Follow local, state and federal waste regulations. Do not incorporate into municipal sewage treatment facilities. Empty containers retain product residue, follow label and MSDS warnings even after container is emptied.

## SECTION VIII - SAFE HANDLING & USE INFO

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RESPIRATORY PROTECTION: In outdoor or open areas with unrestricted ventilation, use NIOSH approved dust mask to protect from overspray or solid airborne particulates. In restricted areas, use a NIOSH approved combination organic vapor and particulate respirator. In confined areas, use an airline type respirator hood or self contained breathing apparatus. Consult the OSHA confined space regulations.

VENTILATION: Provide sufficient ventilation to keep dust/ airborne particulate and organic vapor concentrations below OSHA personal exposure limits (PEL). Remove all smoke, dust, or fumes formed by welding, flame cutting, sanding or grinding surfaces coated with this material. Provide proper respiratory protection if ventilation or exhaust is inadequate.

SKIN PROTECTION REQUIREMENTS: Chemical resistant gloves are recommended. Use neoprene, nitrile, or butyl rubber. Cover as much of the exposed skin as possible with appropriate impervious clothing. If skin creams are used, keep the area protected by the cream to a minimum. Do not use skin creams to protect skin when working with acids or acid catalysts.

EYE PROTECTION: Eye protection should be worn in any type of industrial operation. The use of chemical goggles and a full face shield to prevent splash from liquids is recommended. Contact lenses should not be worn.

OTHER PROTECTIVE EQUIPMENT: Using a suit or apron to prevent contamination of clothing is recommended. Prevent prolonged skin contact with contaminated clothing. Remove and wash all contaminated clothing before re-use. Never wear contaminated clothes or shoes away from the workplace. Use an industrial type professional cleaning service, do not wash at home.

HYGIENIC PRACTICES: Emergency eye wash stations and safety showers are recommended. Wash hands prior to eating, using the washroom or smoking. Precautions must be taken so that persons handling this product do not breathe the vapors or have it contact the skin or eyes. In spray operations, protection must be afforded against exposure to both vapor and spray mist.

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## SECTION IX - SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Follow safe warehousing procedures. Avoid puncturing the container. Keep containers away from excessive heat. KEEP FROM FREEZING!

OTHER PRECAUTIONS: Maintain a clean work area. Use only in a well ventilated area. VHAP=VOLATILE HAZARDOUS AIR POLLUTANT

NOTICE: The HMIS rating for this material involves data and interpretations compiled from the various material suppliers of the component ingredients. This information will vary from supplier to supplier. The rating is intended for rapid and general identification of this product's hazards. To adequately deal with the safe handling of this material, all information contained in the MSDS must be reviewed as part of an ongoing Hazard Communication Program.

This product complies with the Toxic Substances Control Act (TSCA) 40 CFR 700-799. The Material Safety Data Sheet (MSDS) complies with 29 CFR 1910.1200, Hazardous Communication Std. In the event of a TRANSPORTATION RELATED INCIDENT involving this product, CALL 1-800-688-4005.

CAUTION! DO NOT TAKE INTERNALLY. Avoid breathing vapor/dust.

WARNING! This product contains chemicals known to the State of California to cause cancer or reproductive harm.