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# MATERIAL SAFETY DATA SHEET

## TILEWISE

### SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION  
HMIS

WHMIS CLASS D-1B, E  
HEALTH 3, FLAMMABILITY 0, REACTIVITY 3,  
PERSONAL PROTECTION B

CHEMICAL FAMILY  
CHEMICAL FORMULA  
MOLECULAR WEIGHT  
MATERIAL USE

ACID  
MIXTURE  
NOT APPLICABLE  
TILE AND GROUT CLEANER

### SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENT  
APPROX. CONCENTRATION %  
CAS  
EXPOSURE LIMITS  
LD50/LC50/SPECIES/ROUTE

NONYL PHENOL ETHOXYLATE  
1-5  
9016-45-9  
NOT AVAILABLE  
ORAL (LD50) MG/KG: ACUTE: 2590 (RAT)

HAZARDOUS INGREDIENT  
APPROX. CONCENTRATION %  
CAS  
EXPOSURE LIMITS  
LD50/LC50/SPECIES/ROUTE

PHOSPHORIC ACID  
5-15  
7664-38-2  
TWA: 1 CEIL: 3 MG/M<sup>3</sup>  
ORAL (LD50) MG/KG: ACUTE: 1530 (RABBIT)

HAZARDOUS INGREDIENT  
APPROX. CONCENTRATION %  
CAS  
EXPOSURE LIMITS  
LD50/LC50/SPECIES/ROUTE

SULPHURIC ACID  
1-10  
7664-93-9  
NOT AVAILABLE  
ORAL (LD50) MG/KG: ACUTE: 2140 (RAT)  
VAPOR (LC50) PPM: ACUTE: 255 (RAT) 4 HOURS

### SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE  
ODOUR AND APPEARANCE  
ODOUR THRESHOLD (PPM)  
SPECIFIC GRAVITY  
VAPOUR PRESSURE (MM)  
VAPOUR DENSITY (AIR =1)  
BOILING POINT (°C)  
FREEZING POINT (°C)  
SOLUBILITY IN WATER (20°C)  
% VOLATILE (BY VOL.)  
PH

LIQUID  
YELLOW LIQUID, MINT FRAGRANCE  
NOT AVAILABLE  
1.11  
NOT APPLICABLE  
NOT APPLICABLE  
200°C (392°F)  
NOT DETERMINED  
SOLUBLE  
NOT AVAILABLE  
<1

### SECTION 4 FIRE AND EXPLOSION DATA

FLAMMABILITY	NOT FLAMMABLE
MEANS OF EXTINCTION	USE EXTINGUISHING MEDIA FOR SURROUNDING MATERIALS.
SPECIAL PROCEDURES	NOT AVAILABLE.
FLASHPOINT (°C) AND METHOD	NOT APPLICABLE
UPPER EXPLOSION LIMIT (% BY VOL.)	NOT APPLICABLE
LOWER EXPLOSION LIMIT (% BY VOL.)	NOT APPLICABLE
AUTO-IGNITION TEMPERATURE (°C)	NOT APPLICABLE
HAZARDOUS COMBUSTION PRODUCTS	CO, CO <sub>2</sub>
EXPLOSION SENSITIVITY TO CHEM. IMPACT	NOT AVAILABLE

<b>SECTION 5 REACTIVITY DATA</b>
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CHEMICAL STABILITY	STABLE
INCOMPATIBILITY? TO WHAT?	EXTREMELY REACTIVE OR INCOMPATIBLE WITH REDUCING AGENTS, ORGANIC MATERIALS, METALS ALKALIS AND MOISTURE.
HAZARDOUS DECOMPOSITION PRODUCTS	NOT AVAILABLE

<b>SECTION 6 TOXICOLOGICAL PROPERTIES</b>
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ROUTE OF ENTRY SKIN CONTACT Y/N	Y
ROUTE OF ENTRY SKIN ABSORPTION Y/N	N
ROUTE OF ENTRY EYE CONTACT Y/N	Y
ROUTE OF ENTRY INHALATION ACUTE Y/N	Y
ROUTE OF ENTRY INHALATION CHRONIC Y/N	N
ROUTE OF ENTRY INGESTION Y/N	Y

EFFECTS OF ACUTE EXPOSURE	DANGEROUS IN CASE OF EYE CONTACT (IRRITANT), OF INGESTION, OF INHALATION. SLIGHTLY DANGEROUS TO DANGEROUS IN CASE OF SKIN CONTACT, OF EYE CONTACT (IRRITANT PERMEATOR). VERY SLIGHTLY TO SLIGHTLY DANGEROUS IN CASE OF SKIN CONTACT (SENSITIZER). CORROSIVE TO SKIN AND EYES. LIQUID OR SPRAY MIST MAY PRODUCE TISSUE DAMAGE PARTICULARLY ON MUCOUS MEMBRANES OF EYES, MOUTH AND RESPIRATORY TRACT. INHALATION OF THE SPRAY MIST MAY PRODUCE IRRITATION OF RESPIRATORY TRACT, CHARACTERIZED BY COUGHING, CHOKING, OR SHORTNESS OF BREATH. THIS PRODUCT IS AN EYE IRRITANT. THIS PRODUCT MAY IRRITATE EYES AND SKIN UPON CONTACT. INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING AND ITCHING.
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EFFECTS OF CHRONIC EXPOSURE	PROLONGED OR REPEATED EXPOSURE CAN CAUSE DRYING, DEFATTING AND DERMATITIS.
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SYNERGISTIC MATERIALS	NOT AVAILABLE
CARCINOGENICITY Y/N	N
REPRODUCTIVE EFFECTS Y/N	N
TERATOGENICITY Y/N	N
MUTAGENICITY Y/N	N

<b>SECTION 7 PREVENTIVE MEASURES</b>
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PERSONAL PROTECTIVE EQUIPMENT	
GLOVES	IMPERVIOUS GLOVES
EYEWEAR	SAFETY GLASSES
FOOTWEAR	AS REQUIRED BY EMPLOYER CODE
CLOTHING	AS REQUIRED BY EMPLOYER CODE

ENGINEERING CONTROLS

LEAK AND SPILL PROCEDURE

WASTE DISPOSAL

STORAGE REQUIREMENTS

GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS. CORROSIVE LIQUID. STOP LEAK IF WITHOUT RISK. ABSORB WITH DRY EARTH, SAND OR OTHER NON-COMBUSTIBLE MATERIAL. DO NOT TOUCH SPILLED MATERIAL. USE WATER SPRAY CURTAIN TO DIVERT VAPOUR DRIFT. PREVENT ENTRY INTO SEWERS, BASEMENTS OR CONFINED AREAS: DIKE IF NEEDED. CALL FOR ASSISTANCE ON DISPOSAL. NEUTRALIZE THE RESIDUE WITH A DILUTE SOLUTION OF SODIUM CARBONATE.

RECYCLE IF POSSIBLE. CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.

STORE IN CLOSED CONTAINER, AWAY FROM INCOMPATIBLE MATERIALS. CORROSIVE MATERIALS SHOULD BE STORED IN A SEPARATE SAFETY STORAGE CABINET OR ROOM.

## SECTION 8 FIRST AID MEASURES

SKIN

GENTLY AND THOROUGHLY WASH THE CONTAMINATED SKIN WITH NON-ABRASIVE SOAP AND WATER. CALL A PHYSICIAN IF IRRITATION DEVELOPS. COMPLETELY DECONTAMINATE CLOTHING, SHOES AND LEATHER GOODS BEFORE REUSE OR DISCARD.

EYE

CHECK FOR AND REMOVE ANY CONTACT LENSES. IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. COLD WATER MAY BE USED. DO NOT USE AN EYE OINTMENT. SEEK MEDICAL ATTENTION.

INHALATION

REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

INGESTION

DO NOT INDUCE VOMITING. HAVE CONSCIOUS PERSON DRINK SEVERAL GLASSES OF WATER OR MILK. CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS, IS RAPIDLY LOSING CONSCIOUSNESS OR IS CONVULSING.

*VALIDATED BY YORK CHEMICAL TECHNOLOGIES INC  
ON 30/04/10.*

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