

MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

PERMA-GARD 3020

MSDS ID: 03643

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PERMA-GARD 3020
MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

II. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME(CAS NUMBER)	%	EXPOSURE LIMITS	UNITS
PHOSPHORIC ACID (7664-38-2)	<18	TLV 1; PEL 1; ST 3	MG/M3
NITRIC ACID (7697-37-2)	<11	TLV 5; PE 5; ST 10	MG/M3
ZINC OXIDE (1314-13-2)	<9	NONE ESTABLISHED	

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: NO
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: CORROSIVE TO SKIN AND EYES. MISTS ARE CORROSIVE TO SKIN,
EYES AND RESPIRATORY TRACT.
CHRONIC: SAME AS ACUTE
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
SENSITIVE SKIN AND EYES

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER. GET MEDICAL ATTENTION.
SKIN: FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE
CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION.
INGESTION: GIVE SEVERAL GLASSES OF WATER, DO NOT INDUCE VOMITING. GET
MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS
PERSON.
INHALATION: N/A IN NORMAL OPERATION

V. FIRE FIGHTING MEASURES

FLASH POINT: NONE DEG F FLAME EXTENSION: N/A IN.
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/A UEL: N/A
UNUSUAL FIRE OR EXPLOSION HAZARDS: MATERIAL IS ACIDIC AND WILL REACT WITH
FERROUS ALLOYS TO PRODUCE HYDROGEN.
EXTINGUISHING MEDIA: H2O, CO2, FOAM, WATER FOG
FIRE FIGHTING INSTRUCTIONS: WEAR PROTECTIVE GEAR AND SELF-CONTAINED
BREATHING APPARATUS IN FIRE AREA.

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VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: FLUSH SMALL AMOUNTS TO DRAIN; COLLECT ON FLOOR DRY MATERIAL AND NEUTRALIZE WITH NaHCO_3 . COLLECT AND RETURN LARGE AMOUNTS TO CONTAINER.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: KEEP CONTAINER CLOSED. IF FROZEN, THAW AND MIX TO MAKE USABLE. DO NOT PRESSURE CONTAINER TO EMPTY.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: FACE SHIELD AND CHEMICAL GOGGLES
PROTECTIVE GLOVES: ACID RESISTANT
RESPIRATORY PROTECTION: NONE
OTHER PROTECTIVE CLOTHING/EQUIPMENT: PROTECTIVE CLOTHING AND FOOTWEAR TO COVER SKIN. WATER DELUGE SYSTEM IN USE AREA.
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 218 SPECIFIC GRAVITY: 1.4700
VOLATILE BY VOLUME: 50 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): 17.5 AT 20 C
APPEARANCE AND ODOR: CLEAR LIQUID; SHARP, PUNGENT ODOR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: CONCENTRATED ALKALI
HAZARDOUS DECOMPOSITION PRODUCTS: CO , NO WITH INCOMPLETE COMBUSTION.
HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: REPORTABLE QUANTITY (R.Q.) OF PRODUCT: 5494 LBS. OR 463 GAL. PH ADJUSTMENT: CONTAINS PHOSPHORUS AND ZINC IONS. USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL. ALL CHEMICALS ARE LISTED ON TSCA INVENTORY.

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XIV. TRANSPORT INFORMATION

HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING NAME:

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA/EPCRA:SECTION 313 TOXIC CHEMICALS:

PERMA-GARD 3020 CONTAINS ZINC NITRATE (CAS #7779-88-6) AT 17.2% IN THE FORMULATION THIS INGREDIENT IS REPORTABLE AS A ZINC COMPOUND.

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: D

STATE RIGHT-TO-KNOW INFORMATION:

PHOSPHORIC ACID - CAS #7674-38-2

ZINC NITRATE - CAS #7779-88-6

WATER - CAS #7732-18-5

CALCIUM NITRATE - CAS #10124-37-5

XVI. OTHER INFORMATION

THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED OTHER THAN AS RECOMMENDED BY DIVERSEY LEVER OR IN COMBINATION WITH OTHER MATERIALS. IT IS THE USER'S RESPONSIBILITY TO EVALUATE THE APPLICABILITY OF THIS INFORMATION FOR HIS PARTICULAR CONDITIONS OF STORAGE, HANDLING AND USE.