

PERMAGUARD D10 / D20 SAFETY SHEETS**MATERIAL SAFETY DATA SHEET - PRODUCT INFORMATION****PRODUCT TRADE NAME** - PERMAGUARD*, D-20**IDENTITY** - CAS #61790-53-2**MANUFACTURER** - TIMCORP ENVIRONMENTAL TECH, INC

7621 LITTLE AVE, SUITE 200

CHARLOTTE, NC 28226

PHONE NUMBER : 1-704-541-1492

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HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT - CRISTOBALITE QUARTS

CHEMICAL, IDENTITY, MAJOR COMPONENTS :

CAS # 14464-46-11 - 0.82%

CAS # 14808-60-7 - 0.30%

SIO2 - 88.00%

PYRETHRINS - 0.2%

TECHNICAL PIPERONYL BUTOXIDE - 1.0%

INERT INGREDIENTS - 10.8%

HIMIS RATING

HEALTH = 1, FLAMMABILITY = 0, REACTIVITY = 0

PERSONAL PROTECTION

USE DUST MASK (3M 9900 OR EQUIVALENT), GOGGLES

BOILING POINT	NA
VAPOR PRESSURE	NA
SOLUBILITY IN WATER	NEGLIGIBLE
APPEARANCE AND ODOR	FINE, SLIGHTLY OFF-WHITE POWDER, NO ODOR
SPECIFIC GRAVITY	20
MELTING POINT	NA
EVAPORATION RATE	NA

FIRE / EXPLOSION HAZARD DATA

FLASH POINT	NA
FLAMMABLE LIMITS	NA
EXTINGUISHING MEDIA	NA
SPECIAL FIRE FIGHTING PROCEDURES	NA
UNUSUAL FIRE AND EXPLOSION HAZARDS	NA

REACTIVITY DATA

STABILITY	INFRT
POLYMERIZATION	NONE
INCOMPATIBILITY	NONE (REACTS WITH HYDROFLUORIC ACID)
HAZARDOUS DECOMPOSITION / BY PRODUCTS	NA

HEALTH HAZARD DATA

ROUTE OF ENTRY: Inhalation.

HEALTH HAZARDS: Irritation of upper respiratory tract and lungs may result from accidental or chronic overexposure to the dust of this product, as with any other fine powder.

CARCINOGENICITY: Irac Monographs Vol. 42, Osha regulated - The cited irac monographs lists crystalline silica as showing limited evidence for carcinogenicity to humans crystalline silica content in this product is 1.12%.

SIGNS AND SYMPTOMS OF EXPOSURE: Accidental overexposure may result in coughing, wheezing and irritation of upper respiratory track.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre existing asthma, bronchitis, emphysema and other lung respiratory ailments may be aggravated by over exposure to dust.

EMERGENCY AND FIRST AID PROCEDURES: Flush eyes with copious amounts of cool water to clear throat (material is non poisonous).

PRECAUTIONS FOR SAFE HANDLING USE

LEAK OR SPILL: Mist lightly with water, sweep and transfer to a closed container or vacuum with equipment fitted with an effective filter. Transfer broken bags to new bags without emptying.

WASTE DISPOSAL: Bury as non toxic waste in approved landfill

HANDLING AND STORAGE: Use techniques that minimize dust generation

OTHER PRECAUTIONS: Wet product can be slippery on a smooth concrete floor, caution is necessary under these conditions.

CONTROL MEASURES

RESPIRATORY PROTECTION: Dust mask, 3M 9900 or equivalent

VENTILATION REQUIRED: Local exhaust recommended

PROTECTIVE CLOTHING: Goggles recommended

WORK/HYGENIC PRACTICES: Avoid vigorous shaking of bags, clean clothes with vacuum hose, not by blower. Wash hands before eating.