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8-10-89

Rockford
Sand &
Gravel

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

REVISED FEBRUARY 1986

MANUFACTURER'S NAME ROCKFORD SAND & GRAVEL		EMERGENCY TELEPHONE NO. 815-654-4700	
ADDRESS (Number, Street, City, State, and ZIP Code) 600 BOYLSTON LOVES PARK, IL			
CHEMICAL NAME AND SYNONYMS SILICON DIOXIDE (SILICA) & CALCIUM-MAGNESIUM CARBONATE		TRADE NAME AND SYNONYMS SAND & GRAVEL	
CHEMICAL FAMILY SILICATE & CARBONATE		FORMULA SiO₂	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	N.A.		BASE METAL	N.A.	
CATALYST	N.A.		ALLOYS	N.A.	
VEHICLE	N.A.		METALLIC COATINGS	N.A.	
SOLVENTS	N.A.		FILLER METAL PLUS COATING OR CORE FLUX	N.A.	
ADDITIVES	N.A.		OTHERS	N.A.	
OTHERS	N.A.				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
SAND & GRAVEL IS NOT CONSIDERED TO BE CARCINOGENIC BY: NTP; IARC; OSHA					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N.A.	SPECIFIC GRAVITY (H ₂ O=1)	2.5-2.8
VAPOR PRESSURE (mm Hg.)	=0	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____*1)	N.A.
SOLUBILITY IN WATER	INSOLUBLE		
APPEARANCE AND ODOR	ORDERLESS, MULTICOLORED-PARTICLES		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N.A.	FLAMMABLE LIMITS	Let	Uel
EXTINGUISHING MEDIA	NONE REQUIRED			
SPECIAL FIRE FIGHTING PROCEDURES	NONCOMBUSTIBLE			
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

EXPOSURE LIMITS VARY WITH THE % QUARTZ IN DUST. ALL LIMITS FOR 8-HR. TWAs IN MG/M³.

DUST < 1% QUARTZ: TOTAL (ACGIH & MSHA) = 10 (OSHA-15); RESPIRABLE (ACGIH, MSHA & OSHA) = 5.

DUST > 1% QUARTZ: TOTAL (ACGIH & MSHA) = 30:(% QUARTZ+3); TOTAL (OSHA) = 30:(% QUARTZ+2).

RESPIRABLE (ACGIH, MSHA & OSHA) = 10:(% QUARTZ+2)

EFFECTS OF OVEREXPOSURE

DUST MAY CONTAIN RESPIRABLE SILICA PARTICLES. SILICA IS CAPABLE OF CAUSING SILICOSIS IF INHALED IN HIGH ENOUGH CONCENTRATION OVER AN EXTENDED PERIOD OF TIME.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Remove to fresh air.

Eyes: Flush

with water. Skin: Wash with soap and water.

If an irritation continues contact a physician.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

N.A.

INCOMPATIBILITY (Materials to avoid)

NONE UNKNOWN

HAZARDOUS DECOMPOSITION PRODUCTS

NONE UNKNOWN

HAZARDOUS POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

N.A.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

SWEEP OR VACUUM MATERIAL FROM SPILLAGE INTO A WAST CONTAINER FOR DISPOSAL. AVOID DUSTY CONDITIONS, OR RESPIRATORY PROTECTIVE EQUIPMENT MAY BE NECESSARY.

WASTE DISPOSAL METHOD

THIS MATERIAL CAN BE DISPOSED OF IN A LANDFILL OR BY OTHER PROCEDURES WHICH ARE ACCEPTABLE UNDER FEDERAL, STATE OR LOCAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

USE NIOSH/MSHA APPROVED DUST RESPIRATOR WHERE DUST EXCEEDS OR POSSIBLY EXCEEDS TLV.

VENTILATION

USE LOCAL OR GENERAL VENTILATION ADEQUATE TO MAINTAIN EXPOSURE BELOW APPROPRIATE

YES

TLV'S.

PROTECTIVE GLOVES

NO

EYE PROTECTION

GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE EQUIPMENT

N.A.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

WASH DUST-EXPOSED SKIN WITH SOAP & WATER. WASH WORK CLOTHES FREQUENTLY.

OTHER PRECAUTIONS

None