

MATERIAL SAFETY DATA SHEET							ADDRESS: Reaction Engineering Inc. P.O. Box 1452 Dodge City, Ks. 67801-1452		
"ESSENTIALLY SIMILAR" TO OSHA FORM 20				DATE 12/01/06			EMERGENCY PHONE NUMBERS BUSINESS: (620) 225-2180 OTHER: (800) 255-3924		
PRODUCT NAME RXN-20 CHEMICAL NAME AND MOLECULAR FORMULA PROPRIETARY FORMULATION							CAS NO. NE CHEMICAL FAMILY WATER TREATING		
SYNONYMS NONE									
MATERIALS OR COMPONENTS							% W/W	HAZARD DATA	
INGREDIENTS SODIUM SULFITE							APRX. 95	TLV: M.P.P.C.F. (NUISANCE PARTICULATE) TDC: ORAL-HUMAN LDL 500 mg/kg	
SHIPPING INFORMATION		WATER TREATING COMPOUND NOT HAZARDOUS							
PPHYSICAL PROPERTIES			BOILING POINT/RANGE POWDER °C °F	MELTING POINT °C NE °F	FREEZING POINT °C NA °F			MOLECULAR WEIGHT NE	
SPECIFIC GRAVITY (H ₂ O=1)			>1.0 @ 20/20 °C	VAPOR PRESSURE (mm Hg) @	°C NA °F			VAPOR DENSITY (AIR=1) NA	
SOLUBILITY IN H ₂ O APPROX. 12%			% VOLATILES BY VOLUME NA	EVAPORATION RATE <input type="checkbox"/> ETHER=1 <input type="checkbox"/> WATER=1 <input type="checkbox"/> BUTYLACETATE=1			NA		
APPEARANCE AND ODOR FREE FLOWING WHITE TO TAN POWDER					OTHER:				
EXPIRATION			FLASH POINT NONE °C °F	TEST METHOD	FLAMMABLE LIMITS LOWER NA % UPPER NA	AUTOIGNITION TEMP/FIRE POINT °C NA °F			
POSITION			EXTINQUISHING MEDIA <input checked="" type="checkbox"/> WATER- SPRAY <input checked="" type="checkbox"/> WATER- FOG <input checked="" type="checkbox"/> WATER- STREAM	<input checked="" type="checkbox"/> CO ₂	<input checked="" type="checkbox"/> DRY CHEMICAL	<input checked="" type="checkbox"/> ALCOHOL FOAM	<input checked="" type="checkbox"/> FOAM	<input checked="" type="checkbox"/> EARTH/ SAND	
ACTIONS			SPECIAL FIRE FIGHTING PROCEDURES <input type="checkbox"/> DON'T ENTER BUILDING <input type="checkbox"/> ALLOW FIRE TO BURN <input type="checkbox"/> WATER MAY CAUSE FROTHING	<input type="checkbox"/> DON'T USE WATER	<input type="checkbox"/> USE SELF CONTAINED BREATHING APPARATUS				
INCOMPATIBILITY			UNUSUAL FIRE AND EXPLOSION HAZARDS <input checked="" type="checkbox"/> DUST EXPLOSION HAZARD <input type="checkbox"/> SENSITIVE TO SHOCK <input type="checkbox"/> CONTAMINATION <input type="checkbox"/> TEMPERATURE	OTHER: NONE KNOWN					
REACTIVITY			STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	CONDITIONS CONTRIBUTING TO INSTABILITY <input type="checkbox"/> THERMAL DECOMPOSITION <input type="checkbox"/> PHOTO DEGRADATION	<input type="checkbox"/> POLYMERIZATION <input type="checkbox"/> CONTAMINATION				
CATEGORIES			INCOMPATIBILITY - AVOID CONTACT WITH <input type="checkbox"/> STRONG ACIDS <input type="checkbox"/> STRONG ALKALIS <input checked="" type="checkbox"/> STRONG OXIDIZERS	OTHER:					
VITRO			HAZARDOUS DECOMPOSITION PRODUCTS - THERMAL AND OTHER (LIST) NONE KNOWN						
CONDITIONS TO AVOID			<input type="checkbox"/> HEAT <input type="checkbox"/> OPEN FLAMES <input type="checkbox"/> SPARKS <input type="checkbox"/> IGNITION SOURCES	OTHER: NONE KNOWN					
SPLLEAKOR			STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED <input checked="" type="checkbox"/> FLUSH WITH WATER <input type="checkbox"/> ABSORD WITH SAND OR INERT MATERIAL <input type="checkbox"/> NEUTRALIZE <input checked="" type="checkbox"/> SWEEP/Scoop UP AND REMOVE <input type="checkbox"/> KEEP UPWIND <input type="checkbox"/> PREVENT SPILL <input checked="" type="checkbox"/> DISPOSE IMMEDIATELY OTHER:						
WASTE DISPOSAL METHOD- Consult federal, state, or local authorities In accordance with Federal, State, and Local Regulations.				CONTINUED ON NEXT PAGE					
NA - NOT APPLICABLE				NE - NOT ESTABLISHED					

ORAL (ACUTE): POSSIBLE IRRITANT
DERMAL (ACUTE): POSSIBLE IRRITANT
EYE: POSSIBLE IRRITANT

INHALATION: POSSIBLE IRRITANT

CHRONIC, SUBCHRONIC, ETC.

This product is not considered to be a Carcinogen by the NTP, IARC, or OSHA.

EFFECTS OF HAZARDOUS EXPOSURE

ACGIH 19 NE OSHA 19 NE OTHER: NONE

IRRITATION	<input checked="" type="checkbox"/> SKIN	<input type="checkbox"/> SEVERE	<input checked="" type="checkbox"/> MODERATE	
	<input checked="" type="checkbox"/> EYE	<input type="checkbox"/> SEVERE	<input checked="" type="checkbox"/> MODERATE	<input checked="" type="checkbox"/> MILD (TRANSIENT)
CORROSIVITY	<input type="checkbox"/> SKIN	<input type="checkbox"/> 4 HRS. (DOT)	<input type="checkbox"/> 24 HRS. (CPSC)	
	<input type="checkbox"/> EYE	<input type="checkbox"/> MAY CAUSE BLINDNESS		

SENSITIZATION	INHALATION EFFECTS		
<input type="checkbox"/> SKIN	<input type="checkbox"/> RESPIRATORY	<input type="checkbox"/> ALLERGEN	<input type="checkbox"/> NARCOTIC
			<input type="checkbox"/> CYANOSIS
			<input type="checkbox"/> ASPHYXIANT

LUNG EFFECTS (SPECIFY): NOT KNOWN

OTHER (SPECIFY): NOT KNOWN REPEATED CONTACT SKIN DEFATTER

INGESTION
 INDUCE VOMITING DO NOT INDUCE VOMITING GIVE PLENTY OF WATER GET MEDICAL ATTENTION OTHER:

DERMAL
 FLUSH WITH SOAP AND WATER GET MEDICAL ATTENTION CONTAMINATED CLOTHING-LAUNDER CONTAMINATED SHOES-DESTROY OTHER:

EYE CONTACT
 FLUSH WITH PLENTY OF WATER FOR 15 MINUTES GET MEDICAL ATTENTION OTHER:

INHALATION
 REMOVE TO FRESH AIR IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION GIVE OXYGEN GET MEDICAL ATTENTION OTHER:

VENTILATIONS REQUIREMENTS - ALWAYS MAINTAIN EXPOSURE BELOW PERMISSIBLE EXPOSURE LIMITS
 CONSULT AND INDUSTRIAL HYGIENIST LOCAL EXHAUST USE WITH ADEQUATE VENTILATION CHECK FOR CONTAMINANT AND OXYGEN DEFICIENCY

OTHER: DUST MASK SHOULD BE UTILIZED WHEN HANDLING.

EYE	<input checked="" type="checkbox"/> FACE SHIELD AND GOGGLES	HAND (GLOVE TYPE)	<input checked="" type="checkbox"/> BUTYL RUBBER	<input type="checkbox"/> POLYVINYL ALCOHOL	OTHER (SPECIFY):
	<input checked="" type="checkbox"/> SAFETY GLASSES	<input checked="" type="checkbox"/> GOGGLES	<input type="checkbox"/> POLYVINYL CHLORIDE	<input checked="" type="checkbox"/> NEOPRENE	<input checked="" type="checkbox"/> NATURAL RUBBER
					<input type="checkbox"/> POLYETHYLENE

RESPIRATOR TYPE - USE ONLY NIOSH APPROVED EQUIPMENT
 SELF-CONTAINED SUPPLIED AIR CAN OR CARTRIDGE GAS OR VAPOR FILTER-DUST, FUME, MIST OTHER:

OTHER PROTECTIVE EQUIPMENT
 RUBBER BOOTS APRON OTHER: SAFETY SHOWER AND EYE WASH

PRECAUTIONARY LABELING
 WASH AFTER HANDLING DON'T GET IN EYES, SKIN, CLOTHING DO NOT BREATHE, GAS DUST, VAPOR KEEP CONTAINER CLOSED KEEP AWAY FROM HEAT, SPARKS STORE IN CLOSED CONTAINER

DON'T STORE NEAR COMBUSTIBLES KEEP FROM CONTACT WITH CLOTHING EMPTY CONTAINER MAY CONTAIN HAZARDOUS USE EXPLOSION PROOF EQUIPMENT OTHER:

OTHER HANDLING AND STORAGE CONDITIONS:

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