

IDENTIFICATION		MATERIAL SAFETY DATA SHEET		ADDRESS: Reaction Engineering Inc. P.O. Box 1452 Dodge City, Ks. 67801-1452	
		"ESSENTIALLY SIMILAIR" TO OSHA FORM 20			
		PRODUCT NAME RXN-20		DATE 12/01/06	
		CHEMICAL NAME AND MOLECULAR FORMULA PROPRIETARY FORMULATION		EMERGENCY PHONE NUMBERS BUSINESS: (620) 225-2180 OTHER: (800) 255-3924	
		SYNONYMS NONE		CAS NO. NE CHEMICAL FAMILY WATER TREATING	
HAZARD IDENTIFICATION	MATERIALS OR COMPONENTS SODIUM SULFITE		% W/W APRX. 95	HAZARD DATA TLV: M.P.P.C.F. (NUISANCE PARTICULATE) TDC: ORAL-HUMAN LDL 500 mg/kg	
SHIPPING INFORMATION		WATER TREATING COMPOUND NOT HAZARDOUS			
PHYSICAL PROPERTIES	BOILING POINT/RANGE POWDER °C °F		MELTING POINT °C NE °F		FREEZING POINT °C NA °F
	SPECIFIC GRAVITY (H2O=1) >1.0 @ 20/20 °C		VAPOR PRESSURE (mm Hg) @ °C NA °F		MOLECULAR WEIGHT NE
	SOLUBILITY IN H2O APPROX. 12%		% VOLATILES BY VOLUME NA		VAPOR DENSITY (AIR=1) NA
	APPEARANCE AND ODOR FREE FLOWING WHITE TO TAN POWDER		EVAPORATION RATE NA <input type="checkbox"/> ETHER=1 <input type="checkbox"/> WATER=1 <input type="checkbox"/> BUTYLACETATE=1		
EXPLOSION AND FIRES DATA	FLASH POINT NONE °C °F		TEST METHOD		FLAMMABLE LIMITS LOWER NA % UPPER NA
	EXTINGUISHING MEDIA <input checked="" type="checkbox"/> WATER-SPRAY <input checked="" type="checkbox"/> WATER-FOG <input checked="" type="checkbox"/> WATER-STREAM <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> DRY-CHEMICAL <input checked="" type="checkbox"/> ALCOHOL-FOAM <input checked="" type="checkbox"/> FOAM <input checked="" type="checkbox"/> EARTH/SAND		AUTOIGNITION TEMP/FIRE POINT °C NA °F		
	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				
	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		
	INCOMPATIBILITY - AVOID CONTACT WITH <input type="checkbox"/> STRONG ACIDS <input type="checkbox"/> STRONG ALKALIS <input checked="" type="checkbox"/> STRONG OXIDIZERS OTHER:				
	HAZARDOUS DECOMPOSITION PRODUCTS - THERMAL AND OTHER (LIST) NONE KNOWN				
	CONDITION TO AVOID <input type="checkbox"/> HEAT <input type="checkbox"/> OPEN FLAMES <input type="checkbox"/> SPARKS <input type="checkbox"/> IGNITION SOURCES OTHER: NONE KNOWN				
SPILLAGE	STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED <input checked="" type="checkbox"/> FLUSH WITH WATER <input type="checkbox"/> ABSORB 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.				

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NA - NOT APPLICABLE

NE - NOT ESTABLISHED

TOXICITY	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 EXPOSURE	PERMISSIBLE EXPOSURE LIMIT (SPECIFY IF TLVA/TWA OR CEILING[C])	
	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 <input type="checkbox"/> SKIN <input type="checkbox"/> RESPIRATORY <input type="checkbox"/> ALLERGEN	
	INHALATION EFFECTS <input type="checkbox"/> NARCOTIC <input type="checkbox"/> CYANOSIS <input type="checkbox"/> ASPHYXIAN	
	LUNG EFFECTS (SPECIFY): NOT KNOWN	
	OTHER (SPECIFY): NOT KNOWN <input type="checkbox"/> REPEATED CONTACT SKIN DEFATTER	
INFORMATION	INGESTION <input type="checkbox"/> INDUCE VOMITING <input checked="" type="checkbox"/> DO NOT INDUCE VOMITING <input checked="" type="checkbox"/> GIVE PLENTY OF WATER <input checked="" type="checkbox"/> GET MEDICAL ATTENTION OTHER:	
	DERMAL <input checked="" type="checkbox"/> FLUSH WITH SOAP AND WATER <input checked="" type="checkbox"/> GET MEDICAL ATTENTION <input type="checkbox"/> CONTAMINATED CLOTHING-LAUNDRY <input type="checkbox"/> CONTAMINATED SHOES-DESTROY OTHER:	
	EYE CONTACT <input checked="" type="checkbox"/> FLUSH WITH PLENTY OF WATER FOR 15 MINUTES <input checked="" type="checkbox"/> GET MEDICAL ATTENTION OTHER:	
	INHALATION <input checked="" type="checkbox"/> REMOVE TO FRESH AIR <input checked="" type="checkbox"/> IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION <input checked="" type="checkbox"/> GIVE OXYGEN <input checked="" type="checkbox"/> GET MEDICAL ATTENTION OTHER:	
	VENTILATIONS REQUIREMENTS - ALWAYS MAINTAIN EXPOSURE BELOW PERMISSIBLE EXPOSURE LIMITS	
SPECIAL PROTECTION	<input type="checkbox"/> CONSULT AND INDUSTRIAL HYGIENIST <input type="checkbox"/> LOCAL EXHAUST <input type="checkbox"/> USE WITH ADEQUATE VENTILATION <input type="checkbox"/> CHECK FOR CONTAMINANT AND OXYGEN DEFICIENCY	
	OTHER: DUST MASK SHOULD BE UTILIZED WHEN HANDLING.	
	EYE <input checked="" type="checkbox"/> FACE SHIELD AND GOGGLES <input checked="" type="checkbox"/> SAFETY GLASSES <input checked="" type="checkbox"/> GOGGLES	
	HAND (GLOVE TYPE) <input checked="" type="checkbox"/> BUTYL RUBBER <input type="checkbox"/> POLYVINYL ALCOHOL <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	
	<input type="checkbox"/> SELF-CONTAINED <input type="checkbox"/> SUPPLIED AIR <input type="checkbox"/> CAN OR CARTRIDGE GAS OR VAPOR <input checked="" type="checkbox"/> FILTER-DUST, FUME, MIST OTHER:	
PRECAUTIONARY LABELING	OTHER PROTECTIVE EQUIPMENT	
	<input checked="" type="checkbox"/> RUBBER BOOTS <input checked="" type="checkbox"/> APRON OTHER: SAFETY SHOWER AND EYE WASH	
	PRECAUTIONARY LABELING	
SPECIATION	<input checked="" type="checkbox"/> WASH AFTER HANDLING <input checked="" type="checkbox"/> DON'T GET IN EYES, SKIN, CLOTHING <input checked="" type="checkbox"/> DO NOT BREATHE, GAS DUST, VAPOR <input checked="" type="checkbox"/> KEEP CONTAINER CLOSED <input type="checkbox"/> KEEP AWAY FROM HEAT, SPARKS <input checked="" type="checkbox"/> STORE IN CLOSED CONTAINER	
	<input type="checkbox"/> DON'T STORE NEAR COMBUSTIBLES <input checked="" type="checkbox"/> KEEP FROM CONTACT WITH CLOTHING <input type="checkbox"/> EMPTY CONTAINER MAY CONTAIN HAZARDOUS <input type="checkbox"/> USE EXPLOSION PROOF EQUIPMENT OTHER:	
	OTHER HANDLING AND STORAGE CONDITIONS:	
THE ABOVE INFORMATION IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS, AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE AND THE CONDITIONS OF HANDLING AND USE, OR MISUSE ARE BEYOND OUR CONTROL. WE MAKE NO WARRANTY, EITHER EXPRESSED OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIM ALL LIABILITY FOR RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.		