

		PENIIFICATION			
RADE NAME (as labeled): CHEMICAL NAMES, COMMON NA MANUFACTURER'S NAME & ADDR TECHNIC, INC.	AMES: Nickel S	SULFAMATE RTU ultamate, Nickel B Code No. 03017	romide	RAGITATION	
1 SPECTACLE STREET CRANSTON, RI 02910		NAME OF PREPARER: WILLIAM A. WILLION			
EMERGENCY PHONE: (401)781-61	100	DATE PREPA	RED: Marc	h 25, 1998	
24 hour Emergency: Chem Trec	1-800-424-9300				
ECTION II	HAZARDOUS INC	REDIENTS			
CHEMICAL NAMES	CAS NUMBER	PERCENT	EXPO	SURE LIMITS	
Nickel Sulfamate NI(NH) ₂ · SO ₃) ₂	13770-89-3	25.60%		Ni +2/M3 ACGIH	
Nickel Bromide NiBr 2	13642-88-9	0.90%	TWA = 0.10 mg	Ni +2/M3 ACGIH	
SECTION III APOR DENSITY (AIR=1) APOR PRESSURE (mm Hg)	PHYSICAL PRO N.A. N.A.	SPECIFIC G	RAVITY:	1.26 N.A.	·
APORATION RATE (BUTYL ACETATE=1)	N.A.	BOILING PO	DINT (degrees F)	N.D.	
DLUBILITY IN WATER: PPEARANCE AND ODOR:	Complete. Dark green solutio	pH on; slight saline od	or.	3.80-4.50	
CTION IV.	FIRE AND EXPL	OSION			
ASH POINT (OF) (METHOD USED): ITOIGNITION TEMPERATURE, F. AMMABLE LIMITS IN AIR, VOLUME %: E EXTINGUISHING MATERIALS:	N.A. (Does not bu N.A. LOWER L Use media approp	MIT N.A.	UPPER LIMIT	_N.A	
WATER SPRAY FOAM	CARBON DIOXIDE DRY CHEMICAL		THER:		
CIAL FIREFIGHTING PROCEDURES:	Wear a NIOSH/MSI apparatus and pro	IA approved, self- tective gear if fully	contained breath involved in a fire	ning o.	
USUAL FIRE AND EXPLOSION HAZARDS:	None.				

PAGE 2 O)F 3	PRODUCT: NICKEL SULFAMATE RTU (NICKEL S) AIR AGITATION
SECTION	٧	HEALTH HAZARD INFORMATION
SYZYTOM	IS OF OVER-	EXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE.
INhATION:		Upper respiratory tract irritation. Hypersensitive individuals may develop asthma bronchitis.
CONTACT W	/ITH SKIN OR EY	Es: Irritation, allergic sensitization in some individuals in the presence of heat and humidity. ("Nickel Itch")
ABSORBED T	HROUGH SKIN:	No.
SWALLOWED) :	Nausea, gastrointestinal problems, unconsciousness.
HEALTH EF	FFECTS OR RIS NEEDED.	KS FROM EXPOSURE. EXPLAIN IN LAY TERMS. ATTACH EXTRA PAGE IF MORE
ACUTE:	Local:	Infrant, Allergen, Ingestion, Inhalation - Slight. Causes readily reversible changes which disappear after end of exposure.
	Systemic:	Ingestion, inhaiation - Slight. Causes readily reversible changes which disappear after end of exposure.
CHRONIC:	Local:	Irritant, Allergen - Slight to Moderate. May involve both irreversible and reversible changes; not severe enough to cause death or permanent injury.
	Systemic:	Inhalation - Moderate. May involve both irreversible and reversible changes; not severe enough to cause death or permanent injury.
FIRST AID:	EMERGENCY	PROCEDURES
EYE CONTAC	T: Flush	with water (15 minutes or longer). Call physician.
SKIN CONTAC	CT: Wash	thoroughly with soap and water. Call physician.
INHALED: SWALLOWED:		ve to fresh air. If breathing difficulties develop, call physician. vomiting if conscious, maintain respiration, call physician.
SUSPECTED	CANCER AG	ENT? NO X YES ACGIH, IARC
SECTION V	î	REACTIVITY DATA
TABILITY:	<u> </u>	STABLE UNSTABLE
CONDITIONS 1	TO AVOID:	Do not mix with cyanides.
NCOMPATIBIL	JTY (MATERIALS	TO AVOID): Cyanides.
POUS D	DECOMPOSITION	PRODUCTS (INCLUDING COMBUSTION PRODUCTS): Nickel residues, sulfur oxides, nitrogen oxides.
AZARDOUS P	OLYMERIZATION	MAY OCCUR X WILL NOT OCCUR
ONDITIONS TO	O AVOID:	None.

TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Contain spill by dam or absorbtion on clay or sawdust.

Collect and dispose of at a proper waste disposal facility or reclaim the nickel.

See Section VIII for employee protection.

WASTE DISPOSAL: SHOULD BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS.

SECTION VIII ——— SPECIAL HANDLING INFORMATION —

VENTILATION: General exhaust.

RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator in a spiti.

EYE PROTECTION: Chemical goggles or face shield.

GLOVES: Rubber gloves.

OTHER CLOTHING AND EQUIPMENT: Rubber apron.

WORK PRACTICES, HYGIENIC PRACTICES: Wash thoroughly after handling.

OTHER HANDLING AND STORAGE REQUIREMENTS: Keep container closed and away from cyanides.

Store in a cool, dry place.

Temperature = 55-85 ° F



