	MATERIAL SAFE	:=====================================	
ISDS NUMBER: 885 PART NUMSER: H-885-W (STC) RODUCT NAME: STC CAS NUMBER:	•		
	SECTI		:#322323223 <u>222222</u> 3
MANUFACTUSER: Enviro-Chem, Inc. ADDRESS: 9.0, Box 668 Hobbs, NM 98241		HMIS RATINGS: HEALTH: 2 FIRE: 2	
			HEALTH / FIRE
EMERSENCY TELEPHONE NUMBER: (505)393-1917		REACTIVITY: O PERSONAL PROTECTION: K	
INFORMATION TELEPHONE NUMBER: (505)397-1917		SI	PEC. HAZ.N / REACT
DATE PREPARED: 12/03/94			V
SECTION	1 - HAZARDOUS INGRE	DIENTS/IDENTITY INFORMATION	f97322722224c2/
======================================		SUB- SARA DTHER I	
		IARC PART/Z 313 OSHA PEL ACGIH TLV RECONN	
50-00-0 Formaldehyde 67-56-1 Methanol, or Methyl alcohol	?	??? Y .75 ppm 1 ppm ?? Y 200 ppm 200 ppm	9.25-11 1.25-7.5
SECT	ION III - PHYSICAL/O	CHEMICAL CHARACTERISTICS	
BOILING POINT	App 200 F.	SPECIFIC GRAVITY (H20 = 1)	1.03817
VAPOR PRESSURE (an Hg.)	App 70	MELTING POINT	(176
VAPOR DENSITY (AIR = 1)	1.03	EVAPORATION RATE (Butyl Acetate = 1))1
SOLUBILITY IN WATER: Complete			
APPEARABLE AND DOOR: Clear, Colorless liquid,	Pungent odor		
OTHER INFORMATION: Viscosity Units = NI pH = NI Freezing Point = App. 15 F. Dry Point =	NI		
Density (L5./Sal.) = 8.64581		•	
DANGER Physical Hazards:- Flameable Liquid			
DANGER Physical Hazards:- Flameable Liquid Generic Name:- Formaldehyde			
Physical Hazards:- Flameable Liquid			
Physical Hazards:- Flameable Liquid Generic Name:- Formaldehyde			
Physical Hazards:- Flameable Liquid Generic Name:- Formaldehyde UN/NA Number:- UN 1198	ion, flammable		
Physical Hazards:- Flameable Liquid Generic Name:- Formaldehyde UN/NA Number:- UN 1198 DOT Response Number:- 29 DOT Proper Shipping Name:- Formaldehyde, solut	ion, flamsable		
Physical Hazards:- Flameable Liquid Generic Name:- Formaldehyde UN/NA Mumber:- UN 1198 DOT Response Number:- 29 DOT Proper Shipping Name:- Formaldehyde, solut (Contains Methanol)	ion, flamsable		
Physical Hazards:- Flameable Liquid Generic Name:- Formaldehyde UN/NA Number:- UN 1198 DOT Response Number:- 29 DOT Proper Shipping Name:- Formaldehyde, solut (Contains Methanol) DOT Hazard Class:- 3	ion, flammable	· · · · ·	
Physical Hazards:- Flameable Liquid Generic Name:- Formaldehyde UN/NA Number:- UN 1198 DOT Response Number:- 29 DOT Proper Shipping Name:- Formaldehyde, solut (Contains Methanol) DOT Hazard Class:- 3 DOT Packing Group:- 111 DOT/CERCLA Eg:- N/App. This creduct contains chemicals which are su Amendments and Reauthorization Act of 1986. In	bject to the report e corresponding CAS	nusbers and percent by weight are listed ab	DVP.
Physical Hazards:- Flameable Liquid Generic Name:- Formaldehyde UN/NA Number:- UN 1198 DOT Response Number:- 29 DOT Proper Shipping Name:- Formaldehyde, solut (Contains Methanol) DOT Hazard Class:- 3 DOT Packing Group:- 111 DOT/CERCLA Eg:- N/App. This creduct contains chemicals which are su Amendments and Reauthorization Act of 1986. In	bject to the report e corresponding CAS CTION IV - FIRF AND	EXPLOSION HATARD DATA	0V0.

•

.....

•

:.

ŧ

•

-

٤

SEDS NUMBER: 885 SROCUCT NAME: STC	Page: 2
SECTION IV - FIRE AND EXPLOSION HAZARO DATA (Continued)	17868332 <i>614</i> 2422
SPECIAL FIRE FIGHTING PROCEDURES: To not enter fire area without proper protection - see Section V - decomposition products possible.	55 3175532223 38
tight fire from safe distance / protected location.	
leat pay tuild pressure / rupture closed containers, spreading fire, increasing risk of burns / injuries.	
lse water spray / fog for cooling.	
lotif; authorities if liquid enters sewer / public waters.	
INUSUAL FIRE FIGHTING PROCEDURES: Releases vapors at normal ambient temperatures. When mixed with air and exposed to ignition source, vapors can burn explode if confined. Flammable vapors may be heavier than air. May travel long distances along the ground before igni back to vapor source. Diluting with water may not suffice to raise flash point above ambient temperatures. Hot organi apors or mists are susceptible to sudden spontaneous combustion when mixed with air.	in open or ting/flashing c chemical
SECTION V - REACTIVITY DATA	
TABILITY: Stable under normal conditions	######################################
NCOMPATIBILITY (NATERIALS TO AVOID): Strang Dxidizing agents, such as Hydrogen Peroxide, Bromine, and Chromic Acid. Strong Alkalies. Strong Alkalies.	
Strong Acids. Heat, sparks, open flames, and elevated temperatures. Anhydrides.	
Isocyanates. Urea.	
Phenol. Oxides.	
AZAMONS DECORPOSITION OR BYPRODUCTS:	
I lete combustion may release poisonious Carbon Monoxide, Carbon Dioxide, Formaldehyde, and Hydrogen.	
AZARGOUS POLYMERIZATION: May occur at temperature less than 144 F.	
SECTION VI - HEALTH HAZARD DATA	
DUTELS) OF ENTRY: phalation:- Vapors and mists are extremely irritating to the nose, throat, and mucous membranes.	
e contact:- Primary Route Vapors and mist causes tearing and severe irritation. Liquid causes burns.	
in absorption:- Although no appropriate human or animal health effecta data are known to exist, this product is expected to absorb in.	through the
in irritation:- Contact with the liquid causes drying, scaling, and cracking. Prolonged and repeated contact causes hardening or t	anning effect.
gestion:- Magors, mists, and liquid are extremely irritating to the mouth, throat, and stomach.	
ALTH HEJARDS (ACUTE AND CHRONIC): This saterial is considered to be extremely irritant to humans via all routes of entry.	
GNS AND SYMPTOMS OF EXPOSURE: in Contact:- Contact with the liquid causes drying, scaling, and cracking. Prolonged and repeated contact causes hardening or t < cause allergic dermatitis. May be absorbed through the skin.	anning effect.
e Contact:- Nations and mist causes tearing and severe irritation. Liquid causes burns.	
a sists, and liquid are extremely irritating to the mouth, throat, and stomach. Swallowing the liquid inflam severe abdominal pain, nausea, vomiting, and possible loss of consciousness. Swallowing large quantities can death.	es the tissues, cause blinchess
Malation:-	

.

NSDS NUMBER: SAS PRODUCT NAME: STC ********* SECTION 91 - HEALTH HAZARD DATA (Continued) ****************************** *************** Variate and mists are extremely irritating to the nose, throat, and mucous membranes. Bronchitis, pulmonary edema, and chemical pneuminities may occur. Irritation, coughing, chest pains, and difficulty in breathing may occur with brief exposure while prolonged exposure the result in more severe irritation and tissue damage. Chronic Effects of Overesposures-Repeated or prolonged contact with skin may cause allergic dermatitis or sensitization. MEDICAL LENGITIONS GENERALLY AGERAVATED BY EXPOSURE: None known. EMERGENC: AND FIPST AND FROCEDURES: Inhalat.co.: If cuercure by exposure, remove victim to fresh air immediately. Give oxygen or artificial resperation as needed. Obtain emergency medical attention. Prompt action is essential. Eve Contact: In case of e/e contact, immediately rinse with clean water for 20 to 30 minutes. Retract eyelids often. Obtain emergency medical attention. Skin Contact:-Immediately remove contaminated clothing. Wask skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. If stick, use waterless cleaner first. Obtain emergency medical attention. Ingestion:-If large quantity swallowed, give lukewarm water (pint) if victim is completely conscious and alert. If conscious, immediately induce vomiting by giving 2 large glasses of water, and sticking finger down the thraat. Obtain emergency medical attention immediately. Gastric lavage recommended. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS OR CONVULSING PERSON. Emergency Medical Treatment Procedures:-Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Continue to rinse eyes with clean water for 20 to 30 minutes, retracting eyelids often. Contact ophthalmologist immediately. Treat burns or allergic reactions conventionally after decontamination. Induce vomiting. OTHER HEALTH WARNINGS: ity data:-Val:- Rat LDSO = 800 mg/kg. Dersal:- Rabbit LDSO = 270 mg/kg. Inhalation:- Rat LCLO = 250 ppm/4 Hr., Human ICLO = 17 mg/m3/30 minutes. (Toxic and sysymmic irritant effects) Carcingenicity:- Formaldehyde is listed on the NTP Third Annual Report on Carcinogens and its IARC Carcinogenic Determination is animal positive and hyman indefinite. Formaldehyde is not currently regulated as a carcinogen by DSHA. A mortality study of Long-term exployees of a Formaldehyde producer showed no evidence that Formaldehyde causes cancer or other serious chronic health effects. Other Data:- Formaldehyde is mutagenic in laboratory tests, but not in laboratory animals at inhalation exposures of up to 25 ppm. Fats exposed to 5 ppm. of Formaldehyde for 24 months developed masal cancer. ************* SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE _____ STEPS TO BE TAKEN IN CASE NATERIAL IS RELEASED OR SPILLED: Equip responders with proper protection (see Section VIII). SMALL SPELL:-Abioro liquid on paper, versiculite, floor absorbent, or other absorbant material, and transfer to hood. LARGE TPILL:-Provice adequate ventilation. Eliminate all ignition sources (flares, flames (including pilot lights) and electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dire area of spill to prevent spreading, ounp liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, loor account, or other absorbent material, and placed in covered containers, it possible, then labeled for disposal. Prevent run-off into sewers, streams or other todies of water. If run-off occurs, notify proper authorities, as required, that a pill the uncured. ateria 1s; E The first of the IN PANELING AND STORAGE: The first, bandling, and charage, use polyethylene, plastic, lined steel or stainless steel. Use first of this material may be hazardous when explied, since explied containers retain product residues (vapor, liquid, and/or line with stard productions given in the data sheet must be observed. State first with bonds clised in upright position.

Page: 3

NSDS NUMBER: 685 PRODUCT NAME: STC	Page: 4
SECTION VII - FRECAUTIONS FOR SAFE HANDLING AND USE (Continued)	
CTHER PFECAUTIONS: Wath thoroughly after handling. Do not get in eyes, on skin, or clothing. Do not treathe dust, vapor, mist, or gas. Keep container closed when not in use. Empty container may contain hazaedous residues.	
SECTION VIII - CONTROL MEASURES	
VENTILATION REQUIREMENTS: Either local exhaust or general room ventilation is usually required.	
PERSONAL PROTECTIVE EQUIPMENT: Respiratory Protection:- If exposure can exceed the PEL/TLV, use only NIOSH/MSHA approved air-purifying or supplied air respirato pressure mode per the NIOSH/OSHA 1981 Occupational Health Guidelines for chemical hazard.	
Eye Protection:- Eye protection, including both chemical splash goggles and face shield, must be worn when possibility e to spraying liquid or airborne particles. Contact lenses must not be worn.	xists for eye contact due
Skin Protection:- lapervious protective suit with gloves, boots, and full head and face protection must be worn. The equi thoroughly after each use.	pment must be cleaned
Other Hygenic Practices:- Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facili using plenty of soap and water.	ties. Shower after work
Other Work Practices:- Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any po reacue soiled clothing / wash thouroughly before reuse.	tential exposure. Promptly
SECTION IX - ADDITIONAL INFORMATION	
ADDITIONAL MANUFACTURER WARNINGS: For Industrial Use Only. Keep out of reach of children.	************************
DIHER PRECAUTIONS AND COMMENTS: Disclaizers:- Some of the information presented and conclusions drawn herin are from sources other than direct test d The information in this MSOS was obtained from sources which we believe are reliable. However, the inform any warranty, expressed or implied, regarding its correctness or results to be obtained from the use ther The conditions or methods of handling, storage, use, and disposal of the product are beyond our control (nowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for itsing out of, or in any way connected with the handling, storage, use, or disposal of the product. This MSDS was prepared, and is to be used, only for this product. If the product is used as a component (SOS information may not be applicable.	eof. and may be beyond our or loss, damage or expense

ISDS information may not be applicable. This MSDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1200).