Material Safety Data Sheet		U.S. Department of Labor			
May be used to comply with		Occupational Safety and Health Administration			
OSHA's Hazard Communication Star		(Non-Mandatory Form)			
29 CFR 1910.1200. Standard must be		Form Approved			
consulted for specific requirements.		OMB No. 1218-0072			
Identity (As used on Label and List) Immersion Gold CF Part A		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.			
Section 1		information is available, the space must be marked to indicate that.			
		F			
Manufacture's Name TRANSENE COMPANY, INC	1	Emergency Telephone Number CHEMTREC 1-800-424-9300 (24 hrs)			
Address (Number, Street, City, State and		Telephone Number for Information			
DANVERS INDUSTRIAL PAI		TEL 978-777-7860 FAX 978-739-5640			
		Date Prepared			
10 ELECTRONICS AVENUI	E	April 22, 2004 REV 1 Preparer (optional)			
DANVERS MA 01923		Christopher Christuk			
Section II - Hazardous Ingredients					
Hazardous Components (Specific Chemic	cal Identity; Common Name	· //			
(4:1\)		Recommended %			
(optional)	CAC# 000107 15	2 10			
ETHYLENEDIAMINE	CAS# 000107-15	FF FF			
Potassium Fluoride	CAS# 7789-23-3	Not Established NE < 5%			
PROPRIETY		OOUS PER THIS OSHA STANDARD MAY BE LISTED. WHERE			
INGREDIENT SHOWS, THE I	DENTITY MAY BE MA	DE AVAILABLE AS PROVIDED IN THIS STANDARD.			
Section III - Physical / Chemical Ch	aracteristics '	* OF MIXTURE * OF ETHYLENEDIAMINE			
Boiling Point		Specific Gravity (H2O = 1)			
	**>240°	**>1.0			
	*239F,115C	*0.393-0.906			
		25/25C			
Vapor Pressure (mm Hg.)	1127/1	Melting Point			
	**N/A	**N/A			
	*10mmHg	*N/A			
Vapor Density (AIR = 1)	@20	Evaporation Rate			
vapor Density (AIR – 1)	**N/A	(Butyl Acetate = 1) **N/A			
	*2.07	*N/A			
Solubility in Water **MIXES COM		IXES COMPLETELY			
Appearance and Odor ** Clear,					
11	ORLESS LIQUID; AMM	IONIACAL ODOR			
Section IV - Fire and Explosion Haz		OTATIONED ODOR			
Flash Point (Method Used)	aru suu	Flammable Limits LEL UEL			
**APPROX. 150°F	*NA:Non-flammable	NE NE 14.2%@100 ^C			
741 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14A.140n-Hallimaole	11.270@100			
Extinguishing Media	a appropriate for surround	ling fire			
Special Fire Fighting Procedures					
	Wear NIOSH appro	ved self-contained breathing apparatus			
	T.P.				
Unusual Fire and Explosion Hazards					
	N/A				
	N/A				
	N/A				

(Section V -Read	ctivity Data				
Stability	Unstable		Conditions to Avoid		
	G: 11				
	Stable	X			
Incompatibility (M	laterials to Avoi	d)	Strong acids.		
Hazardous Decomp	osition or Bypro	oducts			
	OXIDES WHEN	N BURN			
Hazardous Polymerization	May Occur		Conditions to Avoid		
•	May Not	X			
	Occur				
Section VI - Hea	ith Hazard D	ata			
Route(s) of Entry:			Inhalation ? YES	Skin? YES	Ingestion? YES
Health Hazards (Ad					
REPEATED	EXCESSIVE E	XPOSUL	RES MAY CAUSE LIVE	R AND KIDNEY INJURY. DID NOT OPPOSURES HAVING NI EFFECT ON T	CAUSE CANCER IN LONG-TERM
					WERE SEEN IN THE FETUS ONLY AT
DOSES WHI	ICH CAUSED T	OXIC E	FECTS TO THE MOTH	IER. IN ANIMAL STUDIES, HAS SHO	OWN NOT TO INTERFERE WITH
REPRODUC Carcinogenicity	TION. PREPO	NDERAN	ICE OF NEGATIVE DA NTP?	TA INDICATES MINIMAL OR NO MU IARC Monographs?	
Carcinogementy			N/A	N/A	OSHA Regulated? N/A
Signs And Symptor	ns of Exposure				
EYE CONTA	ACT: MAY CAU	JSE IRR	ITATION		
IRRITA' AND47 INHILATIO EXPOS MAY (TION OR ULCR 0 mg/kg FOR G N: EXCESSIVE URE. EXCESS CAUSE RESPIR	RATION. UINEA I E VAPOF IVE EXF	MAY CAUSE SEVERI PIGS. CONCENTRATIONS A POSURE MAY CAUSE S	MODERATE. INGESTION MAY CAN E BURNS OF MOUTH AND THROAT. ARE ATTAINABLE AND COULD BE I SEVERE IRRITATION TO THE UPPE USCEPTIBLE INDIVIDUALS.	. THE LD50 IS 1460mg/kg FOR RATS HAZARDOUS ON SINGLE
Medical Conditions	3				
Generally Aggravat	ed by Exposure	1	I/A		
Emergency and Firs	at Aid Procedure	c c	The company of the Market of the Company of the Com		
EYES: IMM	EDIATE AND C	CONTINU		TH FLOWING WATER FOR AT LEAS	T 15 MINUTES.
SKIN: IN CA REMO BEFO INGESTION MED	ASES OF CONT OVING CONTA DRE REUSE. D I: DO NOT IND MCAL FACILITY	ACT, IM MINATE ESTROY UCE VO Y.	ED CLOTHING AND SE CONTAMINATED SE MITING. GIVE LARGE	SKIN WITH PLENTY OF WATER FOR	ATION PERSISTS. WASH CLOTHING ANNOT BE DECONTAMINATED.
Section VII - Pre					
Steps to Be Taken i					
LARGE SPIL	L-DIKE UP AN	ID DILU	TE WITH WATER. PUT	MP INTO APPROPRIATE CONTAINED	RS. SMALL SPILL- DILUTE WITH
WATER AND REC	OVER OR US	E NON-C	COMBUSTIBLE ABSOR	RBENT MATERIAL / SAND AND SHO	OVEL INTO SUITABLE CONTAINER.
Waste Disposal Met STATE AND FEDE WATER.					ERATE IN ACCORDANCE WITH LOCAL, E GROUND OR INTO ANY BODY OF
	AND OSHA PE	EL ARE 1	Oppm. (ETHYLENEDIA		
				120F,49C AND ABOVE 51F, 11C. HO ER SHOULD NOT BE USED AS THE	
Other Precautions					
Section VIII - Co	ntrol Measure	es			
Respiratory Protecti	on (Specify Type	e)	ATMOSPHERIC LEV	ELS SHOULD BE MAINTAINED BEL	OW THE EXPOSURE GUIDELINE.

Ventilation	Local Exhaust		Special		
	X				
	Mechanical (General)	mical (General)		Other	
-	X				
Protective Glove	tive Gloves I		tection	REV 1	
RUBBER		C	HEMICAL GOGGLES		
Other Protective	Clothing or Equipment				
BOOTS, F	TULL BODY SUIT, FACE-SHEILD				
Work/Hygienic Practices		DOT CLASS: CHEM	IICALS N.O.S. NON-REGULATED		