

MATERIAL SAFETY DATA SHEET

Prepared By C. Foster October 12, 2007

24 HOUR EMERGENCY ASSISTANCE	NANO1000
CHEMTREC: 800-424-9300	

ACUTE HEALTH

1

FIRE

0

REACTIVITY

0

HAZARD
RATING

LEAST - 0 SLIGHT - 1 MODERATE - 2 HIGH - 3 EXTREME - 4

SECTION I	NAME
PRODUCT NAME	▶ NANO1000
	VOLITILE ORGANIC COMPOUNDS (VOC) 0 grams / Liter
CHEMICAL FAMILY	FLUROCHEMICAL

SECTION II-A	PRODUCT / INGREDIENT		
Number	Composition	CAS Number	Percent
P	SINGLE COMPONENT SOLUTION	MIXTURE	
1	Fluorochemical	TRADE SECRET	9-12%
2	Water	7732-18-5	88-91%
3			
4			
5			

* SPECIFIC CHEMICAL IDENTITY AND / OR PROPORTION OF THIS COMPONENT IS BEING HELD AS TRADE SECRET INFORMATION.

SECTION II-B	TOXICITY DATA		
Number	Acute Oral LD50	Acute Dermal LD50	Acute Inhalation
P			
1	N/A	N/A	N/A
2	NON-TOXIC	NON-TOXIC	NON-TOXIC
3			
4			
5			

SECTION III HEALTH / HAZARDS INFORMATION

EYE CONTACT

In case of contact, flush eyes with plenty of water for 15 minutes. Call a physcian if irratatoin persists

SKIN CONTACT

Flush skin with water afterv contact. Wash contaminated clothing before reuse.

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

INGESTION

If swallowed do not induce vomiting. Give two glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

SIGNS / SYMPTOMS

THIS PRODUCT DOES NOT POSE ANY HARMFUL EFFECTS WHEN USED UNDER NORMAL CONDITONS.

OTHER EFFECTS

SECTION IV OCCUPATIONAL EXPOSURE LIMITS

	PEL/TWA	PEL/CEILING	TLV/TWA	TIME	TLV/STEL	TIME	SKIN
Number							
P							
1	NONE ESTABLISHED						
2	NONE						
3							
4							
5							

* THE SKIN NOTATION INDICATES THE SUBSTANCE MAY BE ABSORBED THROUGH THE SKIN, MUCOUS MEMBRANES, OR EYES, BY DIRECT OR AIRBORNE EXPOSURE, AND SUGGESTS THAT APPROPRIATE MEASURES BE TAKEN TO PREVENT SUCH ABSORPTION.

SECTION V EMERGENCY AND FIRST AID PROCEDURES**EYE CONTACT**

May be mildly irritataing to eyes. In case of contact, flush eyes with plenty of water for 15 minutes. If irritation continues call a physcian

SKIN CONTACT

May be mildly irritating to sensitive skin conditions. Flush skin with water after contact. Wash contaminated clothing before reuse.

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

INGESTION

DO NOT INDUCE VOMITING. Give two glasses of water. Call a Physician.

SECTION VI TARGET ORGAN EFFECTS

None

SECTION VII PHYSICAL DATA

BOILING POINT 100 C	SPECIFIC GRAVITY	Heavier than H2O
MELTING POINT Not Applicable	SOLUBILITY (In Water)	YES
EVAPORATION RATE (n-Butyl Acetate = 1): More than 1	VAPOR PRESSURE	18 mmHg(@20degrees C)
APPEARANCE Milky liquid	VAPOR DENSITY	Not Determined

SECTION VIII FIRE AND EXPLOSION HAZARDS**FLASH POINT AND METHOD**

T.C.C., F. N/A

EXTINGUISHING MEDIA**FLAMMABLE LIMITS - % Volume in AIR**

N/A

USE WATER FOG, "ALCOHOL" FOAM, DRY CHEMICAL OR CO2.

FIRE FIGHTING PROCEDURES & PRECAUTIONS

USE SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES IN ENCLOSED AREAS!

UNUSUAL FIRE AND EXPLOSION HAZARDS

CONTAINERS EXPOSED TO INTENSE HEAT FORM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE.

SECTION IX REACTIVITY**STABILITY:** STABLE**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR**CONDITIONS AND MATERIALS TO AVOID**

N/A

HAZARDOUS DECOMPOSITION PRODUCTS DURING COMBUSTION

Carbonyl Fluoride, Carbon monoxide, Carbon dioxide, Hydrogen Fluoride

SECTION X EMPLOYEE PROTECTION**RESPIRATORY PROTECTION**

SHORT-TERM HARMFUL HEALTH EFFECTS ARE NOT EXPECTED FROM VAPOR GENERATED AT AMBIENT TEMPERATURES.

PROTECTIVE CLOTHING

AVOID GETTING IN EYES. WEAR CHEMICAL GOGGLES IF THERE IS POTENTIAL CONTACT WITH EYES. AVOID GETTING ON SKIN, WEAR NORMAL WORK CLOTHING. INDIVIDUALS WITH SENSITIVE SKIN CONDITIONS SHOULD WEAR GLOVES, OUTER CLOTHING OR APRON, OVERSHOES AND A FACE-SHIELD SUITABLE TO POTENTIAL EXPOSURE.

ADDITIONAL PROTECTIVE MEASURES

USE VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS. EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE FOR EMERGENCY USE.

SECTION XI ENVIRONMENTAL PROTECTION**SPILL OR LEAK PROCEDURES**

ABSORB SPILL WITH INERT MATERIAL (DRY SAND OR EARTH) THEN PLACE IN A CHEMICAL WASTE CONTAINER. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE.

SECTION XII SPECIAL PRECAUTIONS

STORE IN A COOL, DRY PLACE.

CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CONTAIN PRODUCT RESIDUES. DO NOT USE FOR STORING FOOD OR DRINKING WATER. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS, OR USING TOILET FACILITIES.

SECTION XIII TRANSPORTATION REQUIREMENTS**DEPARTMENT OF TRANSPORTATION CLASSIFICATION:**

NOT REGULATED

D.O.T. PROPER SHIPPING NAME

ADHESIVE LIQUID

UN / NA CODE: CLASS 55