

Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **NANSULATE® Energy Protect™**

SUPPLIER: INDUSTRIAL NANOTECH INC.
1925 TRADE CENTER WAY, SUITE 1
NAPLES, FLORIDA 34109

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PRODUCT USE: PAINT / COATING / LIQUID INSULATION
PREPARED BY: FRANCESCA CROLLEY – REV / 12/15/2011

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

| <u>INGREDIENT</u> | <u>CAS NO.</u> | <u>WT/ WT %</u> |
|--|----------------|-----------------|
| DIPROPYLENE - GLYCOL - MONOBUTYL - ETHER | 29911-28-2 | 5.0 – 10.0 |
| STYRENE – ACRYLIC - COPOLYMER | PROPRIETARY | 10.0 – 40.0 |
| HYDRO-NM - OXIDE | PROPRIETARY | 1.0 – 10.0 |

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: THIS MATERIAL IS A PAINT / COATING. IT IS A STABLE, NON-FLAMMABLE, TRANSLUCENT LIQUID.

ROUTES OF ENTRY: EYE CONTACT, SKIN CONTACT, INHALATION

POTENTIAL HEALTH EFFECTS:

EYES: MAY CAUSE EYE IRRITATION

SKIN: PROLONGED SKIN CONTACT MAY CAUSE IRRITATION

INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE RESPIRATORY IRRITATION.

INGESTION: ALTHOUGH INJECTION IS NOT CONSIDERED A SIGNIFICANT ROUTE OF ENTRY, GASTROINTESTINAL IRRITATION AND NAUSEA MAY OCCUR IF SWALLOWED.

SECTION 4: FIRST AID MEASURES

EYES: FLUSH EYE WITH WATER FOR 15 MINUTES, SEEK MEDICAL ATTENTION

SKIN: WASH WITH SOAP AND WATER, SEEK MEDICAL ATTENTION IF SYMPTOMS OCCUR

INGESTION: IF SWALLOWED, CALL POISON CONTROL & SEEK MEDICAL ATTENTION

INHALATION: THIS MATERIAL IS CONSIDERED NON HAZARDOUS. IF EXPOSED TO EXCESSIVE LEVELS OF VAPOR, REMOVE VICTIM TO FRESH AIR AND SEEK MEDICAL ATTENTION IF COUGH OR OTHER SYMPTOMS EXIST.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: THIS MATERIAL IS NON-TOXIC. A SMALL QUANTITY (1 - TABLESPOON) IS UN-LIKELY TO CAUSE HARM.

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SECTION 5: FIRE-FIGHTING MEASURES

THIS MATERIAL IN LIQUID FORM WILL NOT BURN. THE DRIED PAINT FILM MAY BURN IN A FIRE.

FLASH POINT: DOES NOT FLASH IN TEST

EXTINGUISHING MEDIA: USE WATER SPRAY, FOAM, OR CARBON DIOXIDE WHEN FIGHTING FIRES

PROTECTION TO FIRE FIGHTERS: AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS IN PRESSURE DEMAND MODE AND FULL PROTECTIVE GEAR.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: KEEP UNNECESSARY PEOPLE AWAY. DIKE AND CONTAIN SPILL WITH INERT MATERIAL (SAND, DIRT, ETC.) TRANSFER LIQUID TO A SAFE CONTAINER FOR RECOVERY OR PROPER DISPOSAL, OR ABSORB MATERIAL WITH ABSORBENT MATERIALS SUCH AS KITTY LITTER AND PLACE INTO CONTAINERS FOR PROPER DISPOSAL. KEEP SPILL OUT OF SEWERS, DRAINS AND OPEN BODIES OF WATER. FLOORS MAY BE EXTREMELY SLIPPERY AND HAZARDOUS; EXERCISE EXTREME CAUTION TO AVOID FALLS DURING CLEANUP.

SECTION 7: HANDLING AND STORAGE

HANDLING: AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. KEEP AWAY FROM CHILDREN

STORAGE: **KEEP FROM FREEZING. IDEAL TEMP RANGE = 40F TO 90F MAX.**

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: USE ADEQUATE VENTILATION TO AVOID VAPOR CONCENTRATIONS

RESPIRATORY PROTECTION: NONE REQUIRED UNDER NORMAL CONDITIONS, IF VAPOR EXPOSURE CAUSES DISCOMFORT, AND IN AREAS OF POOR VENTILATION, USE NIOSH APPROVED RESPIRATOR.

EYE PROTECTION: WEAR SAFETY GLASSES OR FACE SHIELD TO PROTECT EYE AND FACE CONTACT

SKIN PROTECTION: WEAR GLOVES TO AVOID PROLONGED SKIN CONTACT

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: FOR BRIEF CONTACT, NO SPECIAL PRECAUTIONS OTHER THAN CLEAN BODY – COVERING CLOTHING SHOULD BE NEEDED. WHEN PROLONGED OR FREQUENT REPEATED CONTACT WITH THE MATERIAL COULD OCCUR, USE IMPERVIOUS PROTECTION SUCH AS A TYVEK SUIT.

WORK HYGIENIC PRACTICES: WASH THOROUGHLY IMMEDIATELY AFTER HANDLING; PREVENT EYE CONTACT, PROLONGED SKIN CONTACT, AND EXCESSIVE INHALATION.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: HEAVY TRANSLUCENT LIQUID

ODOR: NONDESCRIPT

PHYSICAL STATE: LIQUID, LOW VISCOSITY

PH AS SUPPLIED: 6 - 8

SPECIFIC GRAVITY: 0.9980

SOLUBILITY IN H2O: APPRECIABLE

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS

CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY: NONE KNOWN

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN BY IARC OR NTP AND IS NOT REGULATED AS A CARCINOGEN BY OSHA.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NO DATA AVAILABLE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: REVIEW ALL STATE, FEDERAL AND LOCAL REGULATIONS REGARDING HEALTH AND DISPOSAL FOR APPROPRIATE PROCEDURES. PRODUCT DISPOSED OF IN "AS SOLD CONDITION" IS NOT A HAZARDOUS WASTE UNDER FEDERAL RCRA REGULATIONS. LANDFILLING OF FREE LIQUID IS NOT RECOMMENDED.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: NOT REGULATED

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENT: N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): THE CHEMICAL SUBSTANCES IN THIS PRODUCT ARE ON THE TSCA SECTION 8 INVENTORY. This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States: NONE

SARA SECTION 313:

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 AND 40 CFR PART 372:

| CHEMICAL NAME | CAS NUMBER | WT/WT % IS LESS THAN |
|------------------------------------|------------|----------------------|
| DIPROPYLENE GLYCOL MONOBUTYL ETHER | 29911-28-2 | 5.0-10.0 |

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information.

COMPONENT RCRA CLASSIFICATIONS: No information.

COMPONENT RCRA CODES: No information.

CERCLA RQ VALUE (MINIMUM): No information.

HMIS RATINGS: HEALTH -1, FLAMMABILITY -0, REACTIVITY -0

VOLATILE ORGANIC COMPOUNDS (VOCS): 100 GRAMS/LTR (CALCULATED)

DISCLAIMER: TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED IN THIS MSDS IS ACCURATE OR IS OBTAINED FROM SOURCES BELIEVED TO BE ACCURATE. NO LIABILITY, EXPRESSED OR IMPLIED, IS ASSUMED FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. BUYER ASSUMES LIABILITY IN ITS USE OF THIS MATERIAL.