

# NOVEX

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## MATERIAL SAFETY DATA SHEET

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### I. PRODUCT IDENTIFICATION

PRODUCT NAME/SUPPLIER/MSDS

NOVITANE SHEET & CONVEYOR BELT, INDUSTRIAL GRADE AND FOOD GRADE

CHEMICAL NAME/SYNONYMS: POLYURETHANE, THERMOPLASTIC

CAS. NO.: NO APPLICABLE INFORMATION FOUND

NOVEX, INC. I.D.: PRODUCT - PLAIN SHEET, CONVEYOR BELT TRADEMARK - NOVITANE

MONITORING CODE:                      CHEMICAL CODE                      MED. SURV.

POLYESTER BASED  
THERMOPLASTIC  
POLYURETHANE POLYMER

### II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE AND ODOR:              RED, BLACK, GREEN, CLEAR, WHITE & AMBER  
POLYURETHANE SHEET OR BELT. NO ODOR.

BOILING POINT:                      NOT APPLICABLE

MELTING POINT:                      NOT APPLICABLE

MOLECULAR WEIGHT:                  NOT APPLICABLE

VAPOR PRESSURE:                      NOT APPLICABLE

VAPOR DENSITY:                      NOT APPLICABLE

SPECIFIC GRAVITY:                      1.24

% VOLATILE:                          NOT APPLICABLE

OTHER:                                  SELF-IGNITION TEMP. 765-970 DEGREES F  
(407-521 DEGREES C).

### **III. INGREDIENTS**

<u>CHEMICAL NAME</u>	<u>OSHA</u>	<u>CAS.NO.</u>	<u>AMT.</u>	<u>EXPOSURE LIMITS</u>
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NOT APPLICABLE

### **IV. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: 740-760 DEGREES F (393-404 DEGREES C)

FLAMMABILITY LIMITS: LEI, NOT APPLICABLE; UEL, NOT APPLICABLE

FIRE EXTINGUISHING MEDIA: WATER, ABC DRY CHEMICAL AND PROTEIN TYPE AIR FOAMS. CARBON DIOXIDE MAY BE INEFFECTIVE ON LARGER FIRES DUE TO A LACK OF COOLING CAPACITY WHICH MAY RESULT IN REIGNITION.

SPECIAL FIRE FIGHTING PROCEDURES; WEAR POSITIVE PRESSURE SCBA. PERSONNEL NOT HAVING SUITABLE RESPIRATORY PROTECTION MUST LEAVE THE AREA TO PREVENT SIGNIFICANT EXPOSURE TO TOXIC COMBUSTION GASES FROM ANY SOURCE. IN ENCLOSED OR POORLY VENTILATED AREAS, WEAR SCBA CLEANUP IMMEDIATELY AFTER A FIRE AS WELL AS DURING THE ATTACH PHASE OF FIRE FIGHTING OPERATIONS.

UNUSUAL FIRE OR EXPLOSIVE HAZARDS: BY THEMSELVES, NEITHER NOVITANE POLYURETHANE NOR PRODUCTS FABRICATED FROM NOVITANE HAVE BEEN ASSOCIATED WITH CREATING A FIRE RISK IN HANDLING, STORAGE OR USE. NOVITANE POLYURETHANE CAN BE FORCED TO BURN BY CONTINUOUS

APPLICATION OF INTENSE HEAT. LIKE ALL COMBUSTIBLE MATERIAL, PROTECT FROM OPEN FLAME AND MAINTAIN PROPER CLEARANCE WHEN USING PORTABLE HEAT DEVICES, ETC.. STORE FLAMMABLE LIQUIDS AWAY FROM THESE MATERIALS.

NFPA: H2, F1, RO

### **V. HEALTH HAZARDS**

EXPOSURE LIMITS:

OSHA:	NONE ESTABLISHED
ACGIH:	NONE ESTABLISHED
NOVEX, INC.:	NOT APPLICABLE INFORMATION FOUND

ACUTE HEALTH EFFECTS: NO ADVERSE HEALTH EFFECTS FROM HOT AIR WELDING OR PROCESSING WHEN POTENTIAL EXPOSURES ARE MINIMIZED BY GOOD INDUSTRIAL HYGIENE PRACTICE AND ADEQUATE VENTILATION. AT PROCESSING TEMPERATURES, ADDITIVES AND THE BASE POLYMER MAY EMIT FUMES AND VAPORS THAT ARE IRRITATING TO THE RESPIRATORY TRACT, EYES OR SKIN OF SOME SENSITIVE PEOPLE. THIS DEPENDS ON WELDING OR PROCESSING TECHNIQUE, TEMPERATURE, VOLUME AND THE EFFECTIVENESS OF EXHAUST VENTILATION PROVIDED TO PROCESS AREA. INHALATION OF DECOMPOSITION OR COMBUSTION PRODUCTS WILL CAUSE IRRITATION OF THE RESPIRATORY TRACT, EYES AND SKIN. DEPENDING SEVERITY OF EXPOSURE, COUGHING, PAIN AND INFLAMMATION CAN OCCUR.

CHRONIC HEALTH EFFECTS: NONE EXPECTED.

PRIMARY ROUTES OF ENTRY: RESPIRATORY TRACT, EYES, SKIN.

CARCINOGENICITY STATUS: IARC, NOT LISTED  
NTP, NOT LISTED

OSHA, NOT LISTED  
MUTAGENIC, TERATOGENIC ACTIVITY: NO APPLICABLE INFORMATION FOUND.

HAZARD RECOGNITION: MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE - NONE.

#### **VI. WORKER PROTECTION**

RESPIRATOR: NOT NORMALLY NECESSARY. EMPLOYEES INVOLVED IN REMOVING DECOMPOSING MATERIAL SHOULD BE PROVIDED WITH NIOSH/MSHA APPROVED POSITIVE PRESSURE, SCBA IF GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IS INADEQUATE.

SKIN: WEAR PROTECTIVE GLOVES WHEN HANDLING HOT MATERIAL DURING PROCESSING.

EYES: SAFETY GLASSES ARE RECOMMENDED FOR ALL INDUSTRIAL WORKPLACES.

#### **VI. FIRST AID PROCEDURES**

INHALATION: IF IRRITATION PERSISTS FROM EXPOSURE TO WELDING, PROCESSING VAPORS OR DECOMPOSITION PRODUCTS. REMOVE THE AFFECTED INDIVIDUAL FROM THE AREA. CALL A PHYSICIAN. PROVIDE PROTECTION BEFORE ALLOWING RE-ENTRY.

SKIN: FOLLOW INHALATION RECOMMENDATIONS.

EYES: FOLLOW INHALATION RECOMMENDATIONS.

INGESTION: FOLLOW INHALATION RECOMMENDATIONS.

#### **VIII. REACTIVITY DATA**

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO<sub>2</sub> AND SMALL AMOUNT OF HCN, OXIDES OF NITROGEN, AND AROMATIC AND ALIPHATIC HYDROCARBONS. COMBUSTION GASES WILL ALSO INCLUDE WATER VAPOR AND SMOKE.

STABILITY: STABLE

INCOMPATIBILITY: NONE KNOWN.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

#### **IX. SPILL, LEAK AND DISPOSAL PROCEDURES**

SPILL AND LEAK: PLACE IN A CLOSED CONTAINER FOR REUSE OR DISPOSAL.

WASTE MANAGEMENT: DISPOSE IN LICENSED LANDFILL OR BY INCINERATION IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. THESE PRODUCTS ARE NOT DEFINED OR DESIGNATED AS HAZARDOUS ACCORDING TO RCRA 40CFR261.

#### **X. ADDITIONAL PRECAUTIONS**

ENGINEERING: PROVIDE ADEQUATE EXHAUST VENTILATION, INCLUDING LOCAL EXHAUST WHEN NECESSARY, TO DRAW FUMES, VAPORS OR SMOKE AWAY FROM WORKERS TO PREVENT

ROUTINE INHALATION. VOLATILE EMISSIONS FROM NOVITANE POLYURETHANE POLYMER DURING WELDING PROCESSING MAY INCLUDE WATER VAPOR AND SMALL QUANTITIES OF MATERIALS SUCH AS TETRAHYDROFURAN, BUTANEDIOL, CYCLOPENTANONE AND CARBON DIOXIDE. THIS PROCESSING OPERATION SHOULD BE CONDUCTED UNDER WELL-VENTILATED CONDITIONS.

WORK AND HANDLING PRACTICES: ALWAYS USE NOVITANE POLYURETHANE UNDER WELL-VENTILATED CONDITIONS AND AVOID CONTINUED OR PROLONGED BREATHING OF WELDING PROCESS VAPORS OR DECOMPOSITION PRODUCTS. FOR PERSONAL HYGIENE, WASH THOROUGHLY AFTER PROCESSING COMPOUND, ESPECIALLY BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT USE PROCESSING EQUIPMENT TO HEAT FOOD. PROCESSING FUME CONDENSATES (FROM COMPOUND), WHICH MAY INCLUDE TOXIC CONTAMINANTS FROM ADDITIVES, MAY BE COMBUSTIBLE AND SHOULD BE PERIODICALLY REMOVED FROM EXHAUST HOODS, DUCTWORK AND OTHER SURFACES. RUBBER GLOVES SHOULD BE WORN DURING CLEANUP OPERATIONS TO PREVENT SKIN CONTACT.

### **USER'S RESPONSIBILITY**

THIS BULLETIN CANNOT COVER ALL POSSIBLE SITUATIONS WHICH THE USER MAY EXPERIENCE DURING PROCESSING. EACH ASPECT OF YOUR OPERATION SHOULD BE EXAMINED TO DETERMINE IF, OR WHERE, ADDITIONAL PRECAUTIONS MAY BE NECESSARY. ALL HEALTH AND SAFETY INFORMATION CONTAINED IN THIS BULLETIN SHOULD BE PROVIDED TO YOUR EMPLOYEES OR CUSTOMERS. IT IS YOUR RESPONSIBILITY TO USE THIS INFORMATION TO DEVELOP APPROPRIATE WORK PRACTICE GUIDELINES AND EMPLOYEE INSTRUCTIONAL PROGRAMS FOR YOUR OPERATION.

### **DISCLAIMER OF LIABILITY**

AS THE CONDITIONS OR METHODS OF USE ARE BEYOND OUR CONTROL, WE DO NOT ASSUME ANY RESPONSIBILITY AND EXPRESSLY DISCLAIM ANY LIABILITY FOR ANY USE OF THIS MATERIAL. INFORMATION CONTAINED HEREIN IS BELIEVED TO BE TRUE AND ACCURATE BUT ALL STATEMENTS OR SUGGESTIONS ARE MADE WITHOUT WARRANTY, EXPRESS OR IMPLIED, REGARDING ACCURACY OF THE INFORMATION, THE HAZARDS CONNECTED WITH THE USE OF THE MATERIAL OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS REMAINS THE RESPONSIBILITY OF THE USER.

STORAGE: NO SPECIAL PRECAUTIONS INDICATED.

### **XI: LABELING**

DOT: SHIPPING NAME: NOT APPLICABLE

HAZARD GLASS: NOT APPLICABLE

I.D.: NOT APPLICABLE

HMIS: HO, F1, RO, PA

SAFETY RATING: CDD

LABEL: NO APPLICABLE INFORMATION FOUND.

### **XII. TELEPHONE CONTACT**

**NOVEX, INC. @ 330-335-2371**

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