

MATERIAL SAFETY DATA SHEET

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Vendor Update: 7/19/2010
Date Prepared: 2/8/2011
MSDS Number: LEXGARD3 ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: LEVEL 3 LEXGARD *SPECIFY SIZE*
HMIS Ratings:

Health: Minimal(0)
 Flammability: Slight(1)
 Instability/Reactivity: Minimal(0)
 Personal Protective Equipment: B

NFPA Ratings:

Health: Minimal(0)
 Flammability: Minimal(0)
 Instability/Reactivity: Minimal(0)

Other:

EMERGENCY OVERVIEW:
 PLASTIC FILM OR SHEET.
 CAN BURN IN A FIRE CREATING DENSE TOXIC SMOKE.
 MOLTEN PLASTIC CAN CAUSE SEVERE THERMAL BURNS.
 VAPOR PRODUCED DURING MELT PROCESSING MAY CAUSE EYE, SKIN, AND
 RESPIRATORY TRACT IRRITATION.
 SECONDARY OPERATIONS, SUCH AS GRINDING, SANDING, OR SAWING CAN
 PRODUCE DUST WHICH MAY BE PRESENT AN EXPLOSION OR RESPIRATORY
 HAZARD.

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
Other:	THIS PRODUCT CONSISTS PRIMARILY OF HIGH MOLECULAR WEIGHT POLYMERS WHICH ARE NOT EXPECTED TO BE HAZARDOUS.						

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: PRODUCT MAY CAUSE IRRITATION OR INJURY DUE TO MECHANICAL ACTION.

Skin: PRODUCT MAY CAUSE IRRITATION OR INJURY DUE TO MECHANICAL ACTION.

Ingestion: NOT ACUTELY TOXIC.

Inhalation: INHALATION OF PRODUCT NOT LIKELY DUE TO PHYSICAL FORM.

Medical Conditions

Aggravated by Exposure:

Other: CHRONIC/CARCINOGENICITY
 NTP: NOT TESTED.
 OSHA: NOT REGULATED.
 IARC: NOT LISTED.

GREASE-LIKE PROCESSING FUME CONDENSATES ON VENTILATION
 DUCTWORK, MOLDS, AND OTHER SURFACES CAN CAUSE IRRITATION AND
 INJURY TO SKIN.

MEDICAL RESTRICTIONS: THERE ARE NO KNOWN HUMAN HEALTH EFFECTS
 AGGRAVATED BY EXPOSURE TO THIS PRODUCT. HOWEVER, CERTAIN
 SENSITIVE INDIVIDUALS AND INDIVIDUALS WITH RESPIRATORY

IMPAIRMENTS MAY BE AFFECTED BY EXPOSURE TO COMPONENTS IN THE PROCESSING VAPORS.

IV. FIRST AID MEASURES

Eyes:	IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. AFTER INITIAL FLUSHING, REMOVE ANY CONTACT LENSES.
Skin:	WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. FOR HOT PRODUCT, IMMEDIATELY IMMERSE IN OR FLUSH AFFECTED AREA WITH LARGE AMOUNTS OF COLD WATER TO DISSIPATE HEAT. COVER WITH CLEAN COTTON SHEETING OR GAUZE AND GET PROMPT MEDICAL ATTENTION.
Ingestion:	NO HAZARD IN NORMAL INDUSTRIAL USE. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IF SYMPTOMS DEVELOP.
Inhalation:	NO SPECIFIC TREATMENT IS NECESSARY SINCE THIS MATERIAL IS NOT LIKELY TO BE HAZARDOUS BY INHALATION. IF EXPOSED TO EXCESSIVE LEVELS OF DUSTS, OR FUMES, REMOVE TO FRESH AIR AND GET MEDICAL ATTENTION IF COUGH OR OTHER SYMPTOMS DEVELOP.
Other:	PROCESSING FUMES: PROCESSING FUMES INHALATION MAY BE IRRITATING TO THE RESPIRATORY TRACT. IF SYMPTOMS ARE EXPERIENCED REMOVE VICTIM FROM THE SOURCE OF CONTAMINATION OR MOVE VICTIM TO FRESH AIR AND OBTAIN MEDICAL ADVICE.

V. FIRE FIGHTING MEASURES

Flash Point:	NOT ESTABLISHED
Lower Flammability Limit:	NOT ESTABLISHED
Upper Flammability Limit:	NOT ESTABLISHED
Extinguishing Agents:	WATER SPRAY AND FOAM. CARBON DIOXIDE AND DRY CHEMICAL ARE NOT RECOMMENDED BECAUSE THEIR LACK OF COOLING CAPACITY MAY PERMIT RE-IGNITION.
Unusual Fire or Explosion Hazards:	INTENSE HEAT, SMOKE, CARBON DIOXIDE, CARBON MONOXIDE, HYDROCARBON FRAGMENTS. CONDITIONS OF FLAMMABILITY: REQUIRES A CONTINUOUS FLAME SOURCE TO IGNITE. EXPLOSION DATA: MATERIAL NOT SENSITIVE TO MECHANICAL IMPACT BUT IS SENSITIVE TO STATIC DISCHARGE UNDER DUST CLOUD CONDITIONS.
Fire Fighting Procedures:	DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTION INCLUDING SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. FIGHT FIRE FROM A SAFE DISTANCE AND A PROTECTED LOCATION DUE TO THE POTENTIAL OF HAZARDOUS VAPOURS AND DECOMPOSITION PRODUCTS. WATER MAY BE THE MOST SUITABLE EXTINGUISHING MEDIA DUE TO ITS COOLING PROPERTIES ON MOLTEN COMPOUNDS.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup:	GENERAL: GATHER AND STORE IN A CLOSED CONTAINER PENDING A WASTE DISPOSAL EVALUATION.
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VII. HANDLING AND STORAGE

Other: HANDLING: WHEN HANDLING HEATED MOLTEN MATERIAL, USE PROTECTIVE EQUIPMENT AND VENTILATION RECOMMENDED IN SECTION VIII.
STORAGE: STORE IN A COOL DRY PLACE. AVOID EXCESSIVE HEAT AND IGNITION SOURCES.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: WEAR SAFETY GLASSES WITH SIDE SHIELDS OR CHEMICAL GOGGLES. IN ADDITION, USE FULL-FACE SHIELD WHEN CLEANING PROCESSING FUME CONDENSATES FROM HOODS, DUCTS, AND OTHER SURFACES.

Skin: WHEN HANDLING PELLETS OR POWDER, AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR LONG PANTS, LONG SLEEVES, WELL INSULATED GLOVES, AND A FACE SHIELD DURING MELT PROCESSING. APPROPRIATE CLOTHING- INCLUDING CHEMICAL RESISTANT GLOVES- SHOULD BE WORN TO PREVENT CONTACT WITH PROCESSING FUMES CONDENSATE.

Respiratory: WHEN USING THIS PRODUCT AT ELEVATED TEMPERATURES, IMPLEMENT ENGINEERING SYSTEMS, ADMINISTRATIVE CONTROLS, OR A RESPIRATORY PROTECTION PROGRAM (INCLUDING A RESPIRATOR APPROVED FOR PROTECTION FROM ORGANIC VAPORS, ACID GASES, AND PARTICULATE MATTER) IF PROCESSING FUMES ARE NOT ADEQUATELY CONTROLLED OR OPERATORS EXPERIENCE SYMPTOMS OF OVEREXPOSURE. IF DUST OR POWDER ARE PRODUCED FROM SECONDARY OPERATIONS SUCH AS SAWING OR GRINDING, USE A RESPIRATOR APPROVED FOR PROTECTION FROM DUST.

Engineering: A CONTINUOUS SUPPLY OF FRESH AIR TO THE WORKPLACE TOGETHER WITH REMOVAL OF PROCESSING FUMES THROUGH EXHAUST SYSTEMS IS RECOMMENDED. PROCESSING FUME CONDENSATE MAY BE A FIRE HAZARD AND TOXIC; REMOVE PERIODICALLY FROM EXHAUST HOODS, DUCTWORK, AND OTHER SURFACES USING APPROPRIATE PERSONAL PROTECTION. LOCAL VENTILATION REQUIREMENTS MUST BE DETERMINED TO LIMIT EXPOSURE TO PROCESSING FUMES IN THE WORKPLACE.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: SHEET OR FILM

Solubility in Water: INSOLUBLE

Specific Gravity: (WATER = 1) >1

Vapor Pressure: (MMHG) NOT APPLICABLE

Physical State: SOLID

Volatile Content: %VOLATILES: NEGLIGIBLE

Other: MELTING POINT: THIS PRODUCT DOES NOT EXHIBIT A SHARP MELTING POINT BUT SOFTENS GRADUALLY OVER A WIDE RANGE OF TEMPERATURES.
EVAPORATION RATE: NOT APPLICABLE
OCTANOL;WATER;PARTITION COEFFICIENT: NOT ESTABLISHED

X. STABILITY AND REACTIVITY

Stability: STABLE

Hazardous Decomposition Products: PROCESSING FUMES EVOLVED AT RECOMMENDED PROCESSING CONDITIONS MAY INCLUDE TRACE LEVELS OF PHENOL, ALKYPHENOLS, DIARYLCARBONATE AND OTHER FORMULA DEPENDENT VOLATILE ORGANIC COMPOUNDS.

Conditions To Avoid: DO NOT EXCEED MELT TEMPERATURE RECOMMENDATIONS IN PRODUCT LITERATURE. SEE SECTION FOR RESPIRATORY PROTECTION ADVICE.

Other:

REACTIVITY: NOT REACTIVE UNDER RECOMMENDED CONDITIONS OF HANDLING, STORAGE, PROCESSING, AND USE.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicology Data: ACUTE ORAL: ESTIMATED TO BE >5.0 G/KG
ACUTE DERMAL: PRODUCT NOT CONSIDERED PRIMARY SKIN IRRITANT. DRAIZE SKIN PRIMARY IRRITATION SCORE (RABBIT) FOR SIMILAR PRODUCTS, IN FINELY DIVIDED FORM, FOR A 24-HOUR EXPOSURE IS 0. NOT EXPECTED TO BE A SKIN SENSITIZER BASED ON RESULTS OF MODIFIED BUEHLER GUINEA PIG SENSITIZATION TEST FROM SIMILAR PRODUCTS. DERMAL LD50 (RABBIT)>2G/KG, ESTIMATED.
ACUTE INHALATION: PROCESSING FUMES FROM SIMILAR PRODUCTS ARE NOT CONSIDERED TOXIC. IN ACUTE INHALATION TESTS, LABORATORY RATS WERE EXPOSED TO PROCESSING FUMES AT CONCENTRATIONS EXAGGERATING THOSE THAT WOULD LIKELY OCCUR IN WORKPLACE SITUATIONS. NO DEATHS OR SIGNS OF TOXICITY, EXCEPT TRANSIENT IRRITANCY IN SOME CASES, WERE NOTED DURING THE 6 HOUR FUME EXPOSURE TESTS. THERE WERE NO DISTINCT OR CONSISTENT TREATMENT RELATED TISSUE OR ORGAN CHANGES NOTED IN GROSS NECROPSIES.

Special Hazard Information: EYE CONTACT: PRODUCT MAY CAUSE IRRITATION OR INJURY DUE TO MECHANICAL ACTION.
SKIN CONTACT: PRODUCT MAY CAUSE IRRITATION OR INJURY DUE TO MECHANICAL ACTION.

XII. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: THIS MATERIAL IS NOT EXPECTED TO BE HARMFUL TO THE ECOLOGY.
Ecotoxicity:

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: RECYCLING IS ENCOURAGED. LANDFILL OR INCINERATE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS. COLLECTED PROCESSING FUME CONDENSATES AND INCINERATOR ASH SHOULD BE TESTED TO DETERMINE WASTE CLASSIFICATION.

Other: POSSIBLE EPA WASTE CODES: SPENT OR DISCARDED MATERIAL IS NOT EXPECTED TO BE A HAZARDOUS WASTE.

XIV. TRANSPORT INFORMATION

Other: REGULATORY STATUS: NOT REGULATED.

XV. REGULATORY INFORMATION

TSCA Status: THIS PRODUCT IS IN COMPLIANCE WITH ALL RULES AND ORDERS OF THE TSCA.

EPA Sara Title III Chemical Listings: THE PRODUCTS COVERED BY THIS MSDS ARE ARTICLES AS DEFINED BY SECTION 313, TITLE III OF SARA (EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT) AND THEREFORE ARE EXEMPT FROM NOTIFICATION REQUIREMENTS.

Supplemental State Compliance Information:

XVI. OTHER INFORMATION

WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.