

**MATERIAL SAFETY DATA SHEET**

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**SECTION I - PRODUCT IDENTIFICATION**PRODUCT NUMBER: 70 2245  
PRODUCT NAME: 70-2245 CATALYST  
PRODUCT CLASS: ALIPHATIC POLYISOCYANATE**SECTION : II - HAZARDOUS INGREDIENTS**

INGREDIENT	CAS NUMBER	WEIGHT PERCENT	OCCUPATIONAL EXPOSURE LIMITS	VAPOR mm Hg @ TEMP
ALIPHATIC POLYISOCYANATE	28182-81-2	60	.5MG/M3:TWA,STEL:1	15.0 20C
2-BUTANONE*	78-93-3	40	PEL:200,TLV:200 PPM	71.0 20C

**SECTION : III - PHYSICAL DATA**

BOILING RANGE: 280 - 380F

VAPOR DENSITY: LIGHTER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER % VOLATILE VOLUME: 59.79 WT/GAL: 7.89

\*This Chemical is a hazardous substance as defined by cercla 40 cfr part 302-4

**OTHER PROTECTIVE EQUIPMENT:**

**USE IMPERMEABLE APRONS AND PROTECTIVE CLOTHING WHENEVER POSSIBLE TO PREVENT SKIN CONTACT.**

**HYGIENIC PRACTICES:**

**EYE WASHES AND SAFETY SHOWERS IN THE WORK PLACE IS RECOMMENDED.**

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**SECTION : IX - SPECIAL PRECAUTIONS**

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

**USE NON SPARKING UTENSILS WHEN HANDLING THIS MATERIAL, AVOID NOT METAL SURFACES**

**USE IN COOL WELL VENTILATED AREAS. KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP AWAY FROM EXCESSIVE HEAT AND OPEN FLAMES.**

**OTHER PRECAUTIONS:**

**SMOKING IN AREAS WHERE THIS MATERIAL IS USED SHOULD BE STRICTLY PROHIBITED.**

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**SECTION : IV - FIRE AND EXPLOSION HAZARD DATA**

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**FLAMMABILITY CLASSIFICATION: FLAMMABLE LIQUID - CLASSIC**

**FLASH POINT: 25' F LEL: 1.8**

**EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER**

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

**HANDLE AS FLAMMABLE LIQUID. VAPORS FORM AN EXPLOSIVE MIXTURE IN AIR BETWEEN THE UPPER AND LOWER EXPLOSIVE LIMITS WHICH CAN BE IGNITED BY MANY SOURCES SUCH AS PILOT LIGHTS, OPEN FLAMES, ELECTRICAL MOTORS AND SWITCHES.**

**SPECIAL FIREFIGHTING PROCEDURES:**

**RESPIRATORY EQUIPMENT SHOULD BE WORN TO AVOID INHALATION OF CONCENTRATED VAPORS. WATER SHOULD NOT BE USED EXCEPT AS FOG TO KEEP NEARBY CONTAINERS COOL.**

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**SECTION : V - HEALTH HAZARD DATA**

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**EFFECTS OF OVEREXPOSURE:**

**INHALATION - DISSINESS, BREATHING DIFFICULTY, HEADACHES, AND LOSS OF COORDINATION.**

**EYE CONTACT - SEVERE EYE IRRITATION, AND DERMATITIS.**

**SKIN CONTACT - CAN DRY AND DEFT SKIN CAUSING CRACKS, IRRITATION, AND DERMATITIS.**

**INGESTION - CAN CAUSE GASTROINTESTINAL IRRITATION, VOMITING, NAUSEA, & DIARRHEA.**

**MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:**

**ANESTHESIA, RESPIRATORY TRACT IRRITATION, DERMATITIS, NAUSEA, VOMITING.**

**PRIMARY ROUTE (S) OF ENTRY: DERMAL, INHALATION, INGESTION**

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION OVEREXPOSURE-MOVE PERSON TO FRESH AIR. IF BREATHING STOPS APPLY ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION. EYE CONTACT-FLUSH WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. SKIN CONTACT - WASH THOROUGHLY W/SOAP AND WATER AND SEE A DOCTOR. INGESTION - DO NOT INDUCE VOMITING, CAN CAUSE CHEMICAL PHEUMONITIS AND PULMONARY EDEMA. CONTACT PHYSICIAN IMMEDIATELY.**

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**SECTION : VI - REACTIVITY DATA**

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**STABILITY: STABLE**

**HAZARDOUS POLYMERIZATION: WILL NOT OCCUR**

**HAZARDOUS DECOMPOSITION PRODUCTS:  
TYPICAL BY-PRODUCTS OF COMBUSTION.**

**CONDITIONS TO AVOID:  
EXCESSIVE HEAT, POOR VENTILATION, CORROSIVE ATMOSPHERES, EXCESSIVE AGING.**

**INCOMPATIBILITY (MATERIALS TO AVOID):  
ALKALINE MATERIALS, STRONG ACIDS AND OXIDIZING MATERIALS.**

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**SECTION : VII - SPILL OR LEAK PROCEDURES**

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
ELIMINATE IGNITION SOURCES, PROVIDE GOOD VENTILATION, DIKE SPILL AREA AND ADD  
ABSORBENT EARTH OR SAWDUST TO SPILLED LIQUID. THOROUGHLY WET W/WATER AND  
MIX.**

**WASTE DISPOSAL METHOD:  
COLLECT ABSORBENT/WATER/SPILLED LIQUID MIXTURE INTO METAL CONTAINERS AND ADD  
ENOUGH WATER TO COVER. CONSULT LOCAL, STATE, & FEDERAL HAZARDOUS WASTE  
REGULATIONS BEFORE DISPOSING INTO APPROVED HAZARDOUS WASTE LANDFILLS. OBEY  
RELEVANT LAW.**

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**SECTION : VIII - SAFE HANDLING AND USE INFORMATION**

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**RESPIRATORY PROTECTION:  
WHEN SPRAYING THIS MATERIAL USE A NIOSH APPROVED CARTRIDGE RESPIRATOR OR GAS  
MASKED SUITABLE TO KEEP AIRBORNE MISTS VAPOR CONCENTRATIONS BELOW THE TIME  
WEIGHTED THRESHOLD LIMIT VALUES. WHEN USING IN POORLY VENTILATED AND CONFINED  
SPACES, USE A FRESH-AIR SUPPLYING RESPIRATOR OR A SELF CONTAINED BREATHING  
APPARATUS.**

**VENTILATION:  
GENERAL MECHANICAL VENTILATION OR LOCAL EXHAUST SHOULD BE SUITABLE TO KEEP  
VAPOR CONCENTRATIONS BELOW TLV. VENTILATION EQUIP. MUST BE EXPLOSION PROOF.**

**PROTECTIVE GLOVES:  
IMPERMEABLE CHEMICAL GLOVES FOR SKIN PROTECTION.**

**EYE PROTECTION:  
USE CHEMICAL SAFETY GLASSES, GOGGLES, AND FACE SHIELDS FOR EYE PROTECTION.**