



George A. Manor
President

Manor Chemical Co., Inc.

6901 HEEGE ROAD, AFFTON, MISSOURI 63123

PHONE 314/351-2343 FAX 314/351-2341

manorchem@sbcglobal.net

MATERIAL SAFETY DATA SHEET

EMERGENCY TELEPHONE NO.:
INFOTRAC 1-800-535-5053

INFORMATION TELEPHONE NO.:
314-351-2343

DATE OF PREPARATION: 08/17/2011

SECTION 1 – PRODUCT IDENTIFICATION

PRODUCT NUMBER: KB783552, THINNER
PRODUCT NAME:
PRODUCT CLASS: INDUSTRIAL COATING
HMIS RATINGS: H F R PP
2 4 0 F

SECTION 2 – HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	WEIGHT	OCCUPATIONAL	VAPOR	PRESSURE
		%	EXPOSURE	mm Hg	Temp.
IBIB	97-85-8	50-60		3.200	68°F
MEK	78-93-3	15	TLV-TWA 200 ppm	3.000	68°F
HEPTANE	142-82-5	20-30	TLV-TWA 400 ppm	40.000	68°F
MIBK	108-10-1	5-10	TLV-TWA 50 ppm	15.000	68°F

SECTION 3 – PHYSICAL DATA

BOILING RANGE: 172.4° - 242.6°
VAPOR DENSITY: 5.00
EVAPORATION RATE: 6.000 (n. Butyl Acetate = 1)
% VOLATILE VOLUME: 100.00%
WT/GL: 638337 LBS/GAL

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: FLAMMABLE LIQUID

FLASH POINT: BELOW 100°F

EXTINGUISHING MEDIA: FOAM, CO², DRY CHEMICAL, WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAMES.

SPECIAL FIRE FIGHTING PROCEDURES: USE FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS AS NEEDED TO PROTECT FIREFIGHTERS FROM ANY HAZARDOUS COMBUSTION PRODUCTS.

SECTION 5 – HEALTH AND HAZARD DATA

EFFECTS OF OVEREXPOSURE:

SKIN: IRRITATION AND DERMATITIS.

EYE CONTACT: PRODUCES IRRITATION.

INHALATION: CAN BE IRRITATING TO UPPER RESPIRATORY TRACT AND CAUSES NAUSEA, NARCOSIS, AND COMA.

INGESTION: TOXIC AND IRRITATION TO G.I. TRACT. SPONTANEOUS VOMITING MAY RESULT.

MEDICAL CONDITIONS PRONE TO AGGRIVATION BY EXPOSURE: RESPIRATORY WEAKNESS, ALLERGIES.

PRIMARY ROUTE(S) OF ENTRY: DERMAL, INHALATION.

EMERGENCY AND FIRST AID PROCEDURES:

SKIN: WASH EXPOSED AREAS WITH SOAP AND WATER PROMPTLY AND REMOVE CONTAMINATED CLOTHING.

EYE CONTACT: FLUSH EYES WITH PLENTY OF RUNNING WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR, RESTORE BREATHING IF REQUIRED AND SEEK MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. OBTAIN MEDICAL HELP IMMEDIATELY.

SECTION 6 – REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: SMOKE, TOXIC VAPORS, FUMES.

CONDITIONS TO AVOID: HIGH TEMPERATURES, SPARKS, OPEN FLAMES.

INCOMPATIBILITY (MATERIALS TO AVOID): NONE REASONABLE FORSEEABLE.

SECTION 7 – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN: CONTAIN SPILL. ELIMINATE IGNITION SOURCES. MAINTAIN PROPER VENTILATION. USE NON-SPARKING TOOLS, AVOID BREATHING VAPORS.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 8 – SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: IN RESTRICTED VENTILATION AREAS ANY APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICULATES AND VAPORS.

VENTILATION: SUFFICIENT VENTILATION IN VOLUME AND PATTERN SHOULD BE PROVIDED TO KEEP AIR CONTAMINANT BELOW CURRENT TLV LIMITS.

PROTECTIVE GLOVES: REQUIRED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION: CHEMICAL GOGGLES.

OTHER PROTECTIVE EQUIPMENT: PROTECTIVE OUTERWEAR REQUIRED TO PROTECT AGAINST CLOTHING CONTAMINATION AND SKIN CONTACT.

HYGIENIC PRACTICES: WASH HANDS BEFORE EATING OR SMOKING.

SECTION 9 – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP CLOSURE TIGHT AND CONTAINERS UPRIGHT TO PREVENT LEAKAGE. STORE AWAY FROM

HEAT, SPARKS AND FLAME. STORE ONLY IN WELL VENTILATED AREAS. DRUMS/CONTAINERS OF THIS MATERIAL SHOULD BE GROUNDED WHEN POURING.

OTHER PRECAUTIONS: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:

STABLE UNDER ORDINARY CONDITIONS OF USE AND STORAGE. HEAT WILL CONTRIBUTE TO INSTABILITY. SLOWLY DECOMPOSED BY MOISTURE.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON DIOXIDE AND CARBON MONOXIDE MAY FORM WHEN HEATED TO DECOMPOSITION.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

INCOMPATIBILITIES:

AVOID HEAT, FLAME AND OTHER SOURCES OF IGNITION. CONTACT WITH NITRATES, STRONG OXIDIZERS, STRONG ALKALIS, OR STRONG ACIDS MAY CAUSE FIRE AND EXPLOSIONS. WILL ATTACK SOME FORMS OF PLASTIC, RUBBER, AND COATINGS.

CONDITIONS TO AVOID:

NO INFORMATION FOUND.

SECTION 11 - TOXICOLOGICAL INFORMATION

-----\CANCER LISTS\-----			
--NTP CARCINOGEN---			
INGREDIENT	KNOWN	ANTICIPATED	IARC
-----	-----	-----	-----
ISOBUTYL ISOBUTYRATE	NO	NO	NONE
METHYL ETHYL KETONE	NO	NO	NONE
HEPTANE	NO	NO	NONE
METHYL ISOBUTYL KETONE	NO	NO	NONE

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:

WHEN RELEASED INTO THE SOIL, THIS MATERIAL MAY LEACH INTO GROUNDWATER. WHEN RELEASED INTO THE SOIL, THIS MATERIAL MAY EVAPORATE TO A MODERATE EXTENT. WHEN RELEASED INTO WATER, THIS MATERIAL MAY BIODEGRADE TO A MODERATE EXTENT. WHEN RELEASED TO WATER, THIS MATERIAL IS EXPECTED TO QUICKLY EVAPORATE. WHEN RELEASED INTO THE WATER, THIS MATERIAL IS EXPECTED TO HAVE A HALF-LIFE OF LESS THAN 1 DAY. THIS MATERIAL HAS A LOG OCTANOL-WATER PARTITION COEFFICIENT OF LESS THAN 3.0. THIS MATERIAL IS NOT EXPECTED TO SIGNIFICANTLY BIOACCUMULATE. WHEN RELEASED INTO THE AIR, THIS MATERIAL IS EXPECTED TO BE READILY DEGRADED BY REACTION WITH PHOTOCHEMICALLY PRODUCED HYDROXYL RADICALS. WHEN RELEASED INTO THE AIR, THIS MATERIAL MAY BE MODERATELY DEGRADED BY PHOTOLYSIS. WHEN RELEASED INTO THE AIR, THIS MATERIAL IS EXPECTED TO HAVE A HALF-LIFE BETWEEN 1 AND 10 DAYS.

SECTION 13 - DISPOSAL CONSIDERATIONS

WHATEVER CANNOT BE SAVED FOR RECOVERY OR RECYCLING SHOULD BE HANDLED AS HAZARDOUS WASTE AND SENT TO A RCRA APPROVED WASTE FACILITY. PROCESSING, USE OR CONTAMINATION OF THIS PRODUCT MAY CHANGE THE WASTE MANAGEMENT OPTIONS. STATE AND LOCAL DISPOSAL REGULATIONS MAY DIFFER FROM FEDERAL DISPOSAL REGULATIONS. DISPOSE OF CONTAINER AND UNUSED CONTENTS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS.

SECTION 14 - TRANSPORT INFORMATION

DOMESTIC (LAND, D.O.T.)

PROPER SHIPPING NAME: FLAMMABLE LIQUID, NOS

HAZARD CLASS: 3

UN/NA: UN1993

PACKING GROUP: II

INFORMATION REPORTED FOR PRODUCT/SIZE: 3000LB

SECTION 15 - REGULATORY INFORMATION

WHMIS:

THIS MSDS HAS BEEN PREPARED ACCORDING TO THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE CPR.

SECTION 16 - OTHER INFORMATION

NFPA RATINGS: HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0
PERSONAL PROTECTIVE EQUIPMENT: X

LABEL HAZARD WARNING:

WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED OR INHALED. AFFECTS CENTRAL NERVOUS SYSTEM. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

LABEL PRECAUTIONS:

KEEP AWAY FROM HEAT, SPARKS AND FLAME.
AVOID BREATHING VAPOR.
KEEP CONTAINER CLOSED.
USE ONLY WITH ADEQUATE VENTILATION.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
WASH THOROUGHLY AFTER HANDLING.

LABEL

FIRST

AID:

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF SWALLOWED, GIVE LARGE AMOUNTS OF WATER TO DRINK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IN ALL CASES, GET MEDICAL ATTENTION.

DISCLAIMER:

H

**MANOR CHEMICAL CO. INC. PROVIDES THE INFORMATION CONTAINED
HEREIN IN GOOD FAITH BUT MAKES NO REPRESENTATION AS TO ITS
COMPREHENSIVENESS OR ACCURACY. THIS DOCUMENT IS INTENDED
ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONARY HANDLING
OF THE MATERIAL BY A PROPERLY TRAINED PERSON USING THIS
PRODUCT. INDIVIDUALS RECEIVING THE INFORMATION MUST
EXERCISE THEIR INDEPENDENT JUDGMENT IN DETERMINING ITS
APPROPRIATENESS FOR A PARTICULAR PURPOSE. MANOR CHEMICAL
CO., INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER
EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR
PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN
OR THE PRODUCT TO WHICH THE INFORMATION REFERS.
ACCORDINGLY, MONTGOMERY-RINEHARDT WILL NOT BE
RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE
UPON THIS INFORMATION.**
