

MATERIAL SAFETY DATA SHEET
(ПАСПОРТ БЕЗОПАСНОСТИ МАТЕРИАЛА)
AUTOMOTIVE COATINGS

SECTION I - PRODUCT INFORMATION

MANUFACTURER'S NAME : UZ-DONGJU PAINT COMPANY
PRODUCT CODE/IDENTITY : MPR - 906
CUSTOMER PART #/NAME :
PRODUCT TRADE NAME : MPR #906 PRIMER GREY
CHEMICAL FAMILY : SPECIAL MODIFIED CHLORINATED POLYOLEFIN

UZ-DONGJU SAFETY AND HEALTH INDEX IN-PLANT HAZARD RATINGS

HEALTH : 3

FLAMMABILITY : 3

REACTIVITY : 0

0=MINIMAL 1=SLIGHT 2= MODERATE 3=SERIOUS 4=SEVERE

* = CONTAINS INGREDIENT(S) WHICH MAY CAUSE CHRONIC (LONG-TERM) HEALTH EFFECTS

EMERGENCY MEDICAL / SPILL INFO : (+99874) 222 – 2826

TECHNICAL INFO: HEAD OFFICE : (+99874) 222 - 1614

DATE OF MSDS PREPARATIONS : 24 / 6 / 03

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THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD-COMMUNICATION STANDARD (29 CFR 1910.1200), THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, section 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS. ABBREVIATIONS AND OTHER DESIGNATIONS USED ON THIS MATERIAL SAFETY DATA SHEET INCLUDE THE FOLLOWING:

U/I = UNKNOWN INFORMATION ; N/A = NOT APPLICABLE

NOT ESTAB. = NOT ESTABLISHED ; CERT.LTR. = CHEMICAL

O.K. ON TSCA INVENTORY ; CAS NO. NOT AVAILABLE

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SECTION II - INGREDIENTS AND REGULATORY INFORMATION

| INGREDIENTS | CAS NUMBER | APROX . | EXPOSURE LIMIT | | |
|-------------------------------------|------------|---------|----------------|----------------------|---------------|
| | | WEIGHT | % | ACGIH TLV-TWA | OSHA PEL-STEL |
| TITANIUM DIOXIDE | 13463-67-7 | 10– 15 | | 10 mg/m ³ | NOT ESTAB |
| SOLVENT NAPHTHA - LIGHT AROMATIC | 64742-95-6 | 20 – 25 | | NOT ESTAB | NOT ESTAB |
| XYLENE | 1330-20-7 | 20 – 30 | | 100ppm | 150ppm |
| RESIN AND ADDITIVE | NOT ESTAB | 35 - 45 | | NOT ESTAB | NOT ESTAB |

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SECTION III - PHYSICAL CHARACTERISTICS

| | | | |
|----------------------|--|---------------------|---------------|
| BOILING RANGE | : 135 - 285°C | SOLUBILITY IN WATER | : 0.2% |
| VAPOR PRESSURE | : 10 mmHg | | |
| VAPOR DENSITY | : HEAVIER THAN AIR | PH | : N / A |
| % VOL / VOLUME | : U/I | % SOLID BY WEIGHT | : 20-24 |
| EVAP RATE(BuOAc=100) | : 115 | SPECIFIC GRAVITY | : 0.93 - 0.97 |
| ODOR / APPEARANCE | : VISCOUS LIQUID WITH AN ODOR CHARACTERISTIC OF THE SOLVENT LISTED IN SECTION II | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : 27°C FLAMMABLE LIMITS : U / I UEL : U / I

EXTINGUISHING MEDIA :

USE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL, OR UNIVERSAL AQUEOUS FILM FORMING FOAM) DESIGNED TO EXTINGUISH NFPA CLASS IB FLAMMABLE LIQUID FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRIC EQUIPMENT, SPARKS AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DO NOT APPLY ON HOT SURFACES. TOXIC GASES MAY FORM WHEN PRODUCT IS CONTACTED BY FLAME OR HOT SURFACES.

SPECIAL FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE INEFFECTIVE. WATER SPRAY MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSURE TTO EXTREME HEAT. IF WATER IS USED, FOR NOZZLES ARE PRESSURE. FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

SECTION V - REACTIVITY DATA

STABILITY : STABLE HAZARDOUS POLYMERIZATION : NOT EXPECTED TO OCCUR

INCOMPATIBILITY (MATERIALS CONDITIONS TO AVOID) :

AVOID CONTACT WITH STRONG ALKALIES, STRONG MINERAL ACIDS, OR STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:

MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS WHEN HEATED, WELDING, BRAZING, OR FLAME-CUTTING MAY PROCEDURE FUMES INCLUDING:

SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED :

PROVIDE MAXIMUM VENTILATION. ONLY PERSONEL EQUIPPED WITH PROPER RESPIRATORY AND EYE PROTECTION SHOULD BE PERMITTED IN THE AREA. REMOVE ALL SOURCES OF IGNITION. TAKE UP SPILLED MATERIAL WITH SAWDUST, VERMICULITE, OR OTHER ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD :

WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, PROVINCIAL, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED OR DISPOSED OF THROUGH AN APPROVAL WASTE MANAGEMENT FACILITY.

SECTION VII - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE FROM :

INGESTION :

HARMFUL OR FATAL IF SWALLOWED.

EYE CONTACT :

CAUSES SEVERE EYE IRRITATION.

SKIN CONTACT :

CAUSES MODERATE SKIN IRRITATION.
MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.

INHALATION :

VAPOR AND SPRAY MIST HARMFUL IF INHALED.
VAPOR IRRIATTES EYES, NOSE AND THROAT.
MAY IRRITATE LUNGS.
REPEATED EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION OF THE REPIRATORY SYSTEM AND PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.
INTENTIONAL MISUSE BY DELIVERATELY CONCENTRATING AND INHALTING THE CONTENTS CAN BE HARMFUL OR FATAL.

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CONTINUATION OF MANUFACTURER'S CODE : MPR-906

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CHRONIC OVEREXPOSURE :

AVOID LONG TERM REPEATED CONTACT.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

EYE WATERING, HEADACHES, NAUSEA, DIZZINESS, AND LOSS OF COORDINATION ARE INDICATIONS THAT SOLVENT LEVELS ARE TOO HIGH.

REDNESS, ITCHING, CRACKING, REDNESS, AND SWELLING ARE CONDITIONS ASSOCIATED WITH EXCESSIVE SKIN CONTACT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE : NOT APPLICABLE

SECTION VIII - FIRST AID PROCEDURES

INGESTION :

ANTIDOTE : IF SWALLOWED, INDUCE VOMITING BY GIVING 1 TABLESPOON OF STRUP OF IPECAC OR STICKING FINGER DOWN THROAT. AFTER VOMITING, GIVE TWO TEASPOONS OF BAKING SODA IN A GLASS OF WATER. HAVE PATIENT LIE DOWN AND KEEP WARM. COVER EYES EXCLUDE LIGHT.

EYE CONTACT :

IN CASE OF EYE CONTACT FLUSHEYES IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 30 MNUTES.

SKIN CONTACT :

IN CASE OF SKIN CONTACT FLUSH IMMEDIATELY WITH PLENTY OF WATER, FOLLOWED BY WATERLESS HAND CLEANERAND SOAP AND WATER IF MATERIAL APPEARS TO ADHERE TO SKIN.

INHALATION :

IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION AND OTHER SUPPORTIVE MEASURES AS REQUIRED.

OTHER :

IF INGESTION, ANY TYPE OF OVEREXPOSURE OR SYMPTOMS OF OVEREXPOSURE OCCUR DURING OR FOLLOWING THE USE OF THIS PRODUCT, CONTACT A POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY; HAVE MATERIAL SAFETY DATA INFORMATION AVAILABLE.

SECTION IX - PROTECTION INFORMATION

PERSONEL PROTECTIVE EQUIPMENT FOR :

EYE PROTECTION :

WEAR CHEMICAL TYPE SPLASH GOGGLES OR FULL SHIELD WHEN POSSIBILITY EXISTS FOR EYE CONTACT DUE TO SPLASHING OR SPRAYING LIQUID, AIRBORNE PARTICLES, OR VAPORS.

SKIN PROTECTION :

WEAR IMPERMEABLE CLOTHING SUFFICIENT TO COVER EXPOSED SKIN SURFACES CONSTRUCTED OF NEOPRENE RUBBER, NITRILE RUBBERBUTYL RUBBER OR LATEX RUBBER.

RESPIRATORY PROTECTION :

OVEREXPOSURE TO VAPORS MAY BE PREVENTED BY ENSURING VENTILATION CONTROLS, VAPOR EXHAUST OR FRESH AIR ENTRY. NIOSH/MSHA-APPROVED (TC-23C-) AIR PURIFYING OR AIR SUPPLIED (TC-19-C) RESPIRATORS MAY ALSO REDUCE EXPOSURE. READ RESPIRATOR MANUFACTURER'S INSTRUCTIONS AND LITERATURE CAREFULLY TO DETERMINETHE TYPE OF AIRBORNE CONTAMINANTS AGAINST WHICH THE RESPIRATOR IS EFFECTIVE AND HOW IT IS TO BE PROPERLY FITTED.

VENTILATION REQUIREMENTS :

PROVIDE GENERAL DILUTION OR LOCAL EXHAUSTE VENTILATION IN VOLUME AND PATTERN TO KEEP THEW CONCENTRATION OF INGREDIENTS LISTED IN SECTION II BELOW THE LOWEST SUGGESTED EXPOSURE LIMITS, THE LEL IN SECTION IV BELOW THE STATED LIMIT, AND TO REMOVE DECOMPOSITION PRODUCTS DURING WELDING OR FLAME CUTTING.

SECTION X - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS :

DO NOT STORE ABOVE 50 DEGREES C. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NFPA CLASS IB FLAMMABLE LIQUIDS.

OTHER PRECAUTIONS :

IF THIS MATERIAL IS PART OF A MULTIOLE COMPONENT SYSTEM, READ THE MATERIAL SAFTY DATA SHEET(S) FOR THE OTHER COMPONENT OR COMPONENTS BEFORE BLENDING AS THE RESULTING MIXTURES SHOULD BE GROUNDED WHEN POURING. AVOID FREE FALL OF LIQUIDS IN EXCESS OF A FEW INCHES

THIS IS THE END OF THE MSDS FOR MPR-906