

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MARTHANE CATALYST  
PRODUCT CODE: 105-222

HMS CODES: H F R P  
1 3 0 G

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: The Simpson Coatings Group, Inc.  
ADDRESS: 111 SOUTH MAPLE AVENUE, SO. S.F., CA 94080  
EMERGENCY PHONE: 1-800-424-9300 INFORMATION PHONE: 650-873-5990  
DATE REVISED : 01-22-01 NAME OF PREPARER : TIM SIMPSON  
REASON REVISED : ANNUAL UPDATE

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
		OSHA/PEL	ACGIH/TLV	OTHER		
BUTYL ACETATE	123-86-4	150 PPM	150 PPM		10.0 68F	30

\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. \*\*\*  
WARNING! THIS PRODUCTS CONTAINS CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING POINT: 257 Deg F SPECIFIC GRAVITY (H2O=1): 1.0  
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER  
COATING V.O.C. : 4.01 LB/GL ( 480 G/L)  
MATERIAL V.O.C.: 4.01 LB/GL ( 480 G/L)  
SOLUBILITY IN WATER: INSOLUBLE  
APPEARANCE AND ODOR: VISCOUS LIQUID WITH DISTINCT SOLVENT ODOR

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 81 Deg F METHOD USED: TCC  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.4% UPPER: 7.6%

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

SPECIAL FIREFIGHTING PROCEDURES

FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS. FIGHT AS VOLATILE LIQUID FIRE. USE WATER TO COOL FIRE EXPOSED CONTAINERS. AVOID SPREADING FIRE WITH COOLING WATER. FOG NOZZLES FOR WATER RECOMMENDED.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. VAPORS MAY TRAVEL TO SOURCES OF IGNITION AND CAUSE FLASH FIRE. ISOLATE FROM ALL SOURCES OF HEAT. EMPTY CONTAINERS MAY EXPLODE DUE TO RESIDUES. OBSERVE THIS MSDS. ALL METAL CONTAINERS MUST BE BONDED AND/OR GROUNDED DURING LIQUID TRANSFER.

## ===== SECTION V - REACTIVITY DATA =====

**STABILITY: STABLE  
CONDITIONS TO AVOID**

AVOID PROLONGED BREATHING OF VAPORS, SKIN OR EYE CONTACT, STORE AWAY FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, OPEN FLAME

**INCOMPATIBILITY (MATERIALS TO AVOID)**

AVOID STRONG OXIDIZING AGENTS, ACIDS AND BASES.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

USUAL PRODUCTS OF COMBUSTION; CARBON DIOXIDE, CARBON MONOXIDE, OTHER OXIDES, SMOKE, FUMES, ECT.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

## ===== SECTION VI - HEALTH HAZARD DATA =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

CHRONIC EXPOSURE TO DUST OF THE SOLID RAW MATERIALS AND TO THE FUMES OF THE LIQUID RAW MATERIALS MAY CAUSE RESPIRATORY PROBLEMS.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

SKIN: IRRITATION, DRYING, CRACKING, AND/OR DEFATTING.

EYES: IRRITATION OR EYE BURN.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

SEVERE IRRITATION OR BURNING SENSATION. CRACKING, DEFATTING AND DERMATITIS MAY OCCUR ON PROLONGED EXPOSURE.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

DIZZINESS, NAUSEA. NOT EXPECTED TO HAVE ACUTE SYSTEMIC TOXICITY BY INGESTION.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

INHALATION: ANESTHETIC. IRRITATION OF RESPIRATORY TRACT WITH HEADACHE, NAUSEA, DIZZINESS, UNCONSCIOUSNESS OR COMA. INGESTION OF THIS PRODUCT OR SUBSEQUENT VOMITING CAN RESULT IN ASPIRATION OF LIGHT HYDROCARBON LIQUID INTO THE LUNGS WHICH CAN CAUSE FATAL CHEMICAL PNEUMONITIS. REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS IN THIS PRODUCT MAY LEAD TO PERMANENT BRAIN OR NERVOUS SYSTEM DAMAGE (ALSO KNOWN AS PAINTER'S SYNDROME).

**CARCINOGENICITY:** NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

THIS PRODUCTS CONTAINS CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

PRE-EXISTING HEART, LUNG, KIDNEY, LIVER, SKIN DISORDERS.

**EMERGENCY AND FIRST AID PROCEDURES**

INHALATION: REMOVE FROM EXPOSURE, RESTORE BREATHING. ADMINISTER OXYGEN IF NEEDED. SEEK MEDICAL HELP IMMEDIATELY.

EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES WITH EYELIDS OPEN. SEE A PHYSICIAN IMMEDIATELY.

SKIN CONTACT: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING

INGESTION: DO NOT INDUCE VOMITING. DRINK ONE TO TWO GLASSES OF WATER TO DILUTE. SEEK MEDICAL HELP IMMEDIATELY. KEEP PATIENT QUIET, WARM AND COMFORTABLE.

## ===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. CONTAIN AND REMOVE WITH INERT ABSORBANT AND NON-SPARKING TOOLS. WEAR PROTECTIVE EQUIPMENT DURING CLEANUP. CONTAIN LIQUID TO PREVENT CONTAMINATION OF SOIL AND GROUND WATER.

**WASTE DISPOSAL METHOD**

DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

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

KEEP CLOSURE TIGHT AND CONTAINER IN UPRIGHT POSITION. STORE AWAY FROM HEAT OR OTHER SOURCES OF IGNITION. CONTAINERS MUST BE GROUNDED AND/OR BONDED DURING LIQUID TRANSFER. HANDLE WHERE VENTILATION IS ADEQUATE AND AWAY FROM SOURCES OF IGNITION. EMPTIED CONTAINERS MAY STILL CONTAIN HAZARDOUS MATERIAL HENCE IT IS ADVISABLE TO OBSERVE THIS MSDS WHEN HANDLING THEM.

**OTHER PRECAUTIONS**

AVOID PROLONGED BREATHING OF VAPORS, SKIN OR EYE CONTACT. IN CASE OF CONTACT, WASH THOROUGHLY WITH SOAP AND WATER. THIS PRODUCT MAY CONTAIN LESS THAN 1% BY WEIGHT OF THE FOLLOWING HAZARDOUS INGREDIENTS: ZIRCONIUM COMPOUNDS (CAS#22464-99-9), ETHANOL(CAS# 67-17-5). BENZENE, A CANCER CAUSING COMPOUND, OCCURS IN ALL PETROLEUM PRODUCTS ESPECIALLY AROMATIC SOLVENTS AS AN IMPURITY. MAY CONTAIN LESS THAN .1% CRYSTALLINE SILICA (CAS# 14464-46-1) WHICH HAS LIMITED CARCINOGENICITY EVIDENCE IN HUMANS. MAY CONTAIN LESS THAN 1% BY WEIGHT OF: COBALT, MANGANESE, ZINC COMPOUNDS. (CATEGORY CODES: N096, N450, N982).

## ===== SECTION VIII - CONTROL MEASURES =====

**RESPIRATORY PROTECTION**

APPROVED CHEMICAL MECHANICAL FILTER RESPIRATOR.

**VENTILATION**

REQUIRED, 200 CFM MINIMUM.

**PROTECTIVE GLOVES**

CHEMICALLY RESISTANT PLASTIC OR RUBBER.

**EYE PROTECTION**

SAFETY EYEWEAR WITH SIDE SHIELDS.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

EYE WASH AND SAFETY SHOWER IN WORK AREA RECOMMENDED. USE PROTECTIVE HAND CREAMS TO PREVENT DEFATTING OF SKIN UPON EXPOSURE.

**WORK/HYGIENIC PRACTICES**

WASH WITH SOAP AND WATER, REMOVE CONTAMINATED CLOTHING BEFORE HANDLING FOOD OR SMOKING. DAILY SHOWERS RECOMMENDED.

## ===== SECTION IX - DISCLAIMER =====

**DISCLAIMER**

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, OBTAINED FROM SOURCES BELIEVED TO BY THE SIMPSON COATINGS GROUP, INC. TO BE ACCURATE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT REPRESENTATION OR WARRANTY EXPRESSED OR IMPLIED REGARDING ITS ACCURACY OR CORRECTNESS.