

MSDS NO.: 12 MATERIAL SAFETY DATA SHEET  
PART NO.: 5200 SERIES FORM 12-JMD  
PRODUCT NAME: SPILFYTER FOR HAZARDOUS MATERIALS  
-MERCORSORB POWDER 56609-203  
CAS NO.: 0 56609-206  
CHEMICAL NAME: MERCORSORB POWDER

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SECTION I - GENERAL INFORMATION  
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MANUFACTURER: JV MANUFACTURING CO, INC.  
ADDRESS: 963 ASHWAUBENON STREET  
GREEN BAY, WI 54304  
EMERGENCY TELEPHONE NO.: (800)424-9300  
INFORMATION TELEPHONE NO.: (800)334-9092  
DATE PREPARED: 7/01/93 REPLACES ALL PREVIOUS MSDS VERSIONS.

HMIS RATINGS: NFPA:  
HEALTH:0 HEALTH:0  
FIRE:1 FIRE:1  
REACTIVITY:1 REACT.:1  
PERSONALPROTECTION:X SPEC.HAZ.

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SECTION 2 - HAZARDOUS INGREDIENTS  
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CAS #	HAZARDOUS COMPONENT	NTP	IARC	SUB- PART/Z	SARA 313	OSHA PEL	ACGIH TLV	OTHER RECOMMENDED	LIMITS %
7704-66-6	ZINC (DUST)	N	N	N	Y	NE	NE	NE	<91.0
5329-14-6	SULFAMIC ACID	N	N	N	N	NE	NE	1% WHMIS	>9.0

THE ZINC DUST IN THIS PRODUCT IS CONSIDERED TO BE NON HAZARDOUS BY THE OFFICE OF HAZARDOUS MATERIALS MANAGEMENT (49 CFR SECTIONS 172.101 AND 173.124 APPENDEX E, PARAGRAPH 4).

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SECTION III - PHYSICAL/ CHEMICAL CHARACTERISTICS  
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BOILING POINT: 1665 F SPECIFIC GRAVITY(H20=1): 7.11000  
VAPOR PRESSURE(MM HG): NA MELTING POINT: NA  
VAPOR DENSITY(AIR=1): NA EVAPORATION RATE(BUTYL ACETATE=1): NA  
SOLUBILITY IN WATER: ZINC (POWDER) REACTS WITH WATER  
APPEARANCE AND ODOR: VERY FINE BLUE/GRAY/WHITE POWDER, ODORLESS  
OTHER INFORMATION: PH...1.18(1% AQUEOUS SOLUTION) BULK DENSITY...NT  
DECOMPOSITION...NT PERCENT VOLATILES...NA

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT AND METHOD: NT FLAMMABLE LIMITS: LEL: NA UEL: NA  
EXTINGUISHING MEDIA:AUTO-IGNITION TEMP...NT  
ROCK DUST OR DRY SAND. DO NOT USE WATER  
SPECIAL FIRE FIGHTING PROCEDURES: WEAR A NIOSH/MSHA APPROVED SCBA IN POSITIVE PRESSURE MODE & FULL PROTECTIVE CLOTHING IN ACCORDANCE WITH 29CFR1910.120.  
DO NOT SPREAD BURNING MATERIAL. SMOTHER & ALLOW FIRE TO GO OUT. DRY ZINC DUST WILL NOT IGNITE SPONTANEOUSLY, BUT ONCE IGNITED MAY BURN READILY IN AIR.  
UNUSUAL FIRE & EXPLOSION HAZARDS: BULK DUST IN CONTACT W/ WATER OR DAMP AIR EVOLVES HYDROGEN. THE HEAT PRODUCED IN THIS REACTION COULD IGNITE THE HYDROGEN. AN EXPLOSIVE CONDITION MAY EXIST IF THIS HAPPENS IN A CONFINED SPACE. DRY DUST MAY FORM A DUST EXPLOSIVE MIXTURE IN AIR. 0.48 OZ. CU. FT.3 EL PSIG MAX. PRESSURE.

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SECTION V - REACTIVITY DATA  
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STABILITY: UNSTABLE...NO STABLE...YES CONDITIONS TO AVOID: HYDROGEN MAY EVOLVE WHEN IN CONTACT WITH WATER OR DAMP AIR.  
INCOMPATIBILITY( MATERIALS TO AVOID): AVOID CONTACT WITH WATER, ACIDS, AND ALKALIS (IN LIQUID FORM). ALSO AVOID CHLORINE, HYPOCHLOROUS ACID, HYPOCHLORITES, CYANIDES, SULFIDES.  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: SULFUR DIOXIDE (SO2), SULFUR TRIOXIDE (SO3), NITROGEN(N2), WATER, AND AMMONIA GAS (NH3) AT 403 F.  
HAZARDOUS POLMERIZATION: MAY OCCUR...NO WILL NOT OCCUR...YES

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SECTION VI - HEALTH HAZARD DATA  
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ROUTES OF ENTRY: EYES...YES SKIN...NO INHALATION...YES INGESTION...NO  
HEALTH HAZARDS (ACUTE & CHRONIC):

ACUTE (IMMEDIATE): EYES: MAY CAUSE IRRITATION. EXPERIENCED AS MILD DISCOMFORT AND SEEN AS SLIGHT REDNESS OF THE EYE.  
SKIN: MAY CAUSE IRRITATION, SWELLING, AND PAIN. IN PRESENCE OF MOISTURE OR SWEAT, MAY CAUSE MORE SEVERE IRRITATION.  
ABSORPTION: ABSORPTION THROUGH INTACT SKIN IS LIKELY TO BE NEGLIGIBLE.  
INHALATION: MAY CAUSE METAL FUME FEVER.  
CHRONIC (DELAYED): PROLONGED & REPEATED CONTACT MAY LEAD TO IRRITATION TO THE RESPIRATORY TRACT IRRITATION W/ NASOPHARYNGITIS AND LARYNGITIS.  
SIGNS & SYMPTOMS OF EXPOSURE: EYES: REDNESS, TEARING, & POSSIBLE BURNS. SKIN: REDNESS, SWELLING, POSS. BURNS. INHALATION: HEADACHE, FEVER, CHILLS, MUSCLE ACHES, TIREDNESS (MAY LAST 6-24 HRS)  
EMERGENCY AND FIRST AID PROCEDURES:  
EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS APART WHILE FLUSHING TO RINSE ENTIRE SURFACE OF EYE & LIDS W/ WATER. SEEK MEDICAL ATTENTION.  
SKIN: REMOVE CONTAMINATED CLOTHING. BRUSH OFF EXCESS POWDER W/ DRY TOWEL. WASH AFFECTED AREA W/ PLENTY OF SOAP & WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.  
INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK MEDICAL ATTENTION.  
INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

OTHER HEALTH WARNINGS:

EXPOSURE LIMITS: (NONE SPECIFICALLY ESTABLISHED FOR THIS PRODUCT)  
ZINC OXIDE      TWA 5MG/M3 (OSHA)      TLV 5MG/M3 (ACGIH)

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: AVOID BREATHING DUST. CONTAIN LEAKING OR SPILLED MATERIAL. CLEAN-UP USING SHOVELS, SWEEPING, OR VACUUM SPILLED MATERIAL AND PLACE INTO AN APPROVED DISPOSAL CONTAINER FOR PROPER DISPOSAL. ALL SPILLS SHOULD BE HANDLED ACCORDING TO A PREDETERMINED PLAN IN ACCORDANCE WITH 20 CFR 1910.120 - HAZARDOUS WASTE OPERATIONS & EMERGENCY RESPONSE.

WASTE DISPOSAL METHOD: DISPOSE OF THE ORIGINAL (VIRGIN) MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. ONCE THIS PRODUCT SORBS MERCURY THIS PRODUCT TAKES ON THE TOXIC CHARACTERISTICS OF THE MERCURY AND SHOULD BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, & LOCAL REGULATIONS FOR THE MERCURY SORBED.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:

STORAGE: STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM THOSE CHEMICALS LISTED IN SECTION V - REACTIVE INFORMATION.

KEEP AWAY FROM FLAMMABLE MATERIALS AND SOURCES OF HEAT OR FLAME.

PROTECT CONTAINERS FROM DAMAGE.

KEEP CONTAINER TIGHTLY CLOSED.

WORK/HYGIENIC PRACTICES:

DO NOT BREATHE DUST.

DO NOT GET INTO EYES, ON SKIN, OR CLOTHING.

WORKERS SHOULD WASH EXPOSED SKIN THOROUGHLY AFTER HANDLING WITH SOAP & WATER.

OTHER PRECAUTIONS: NONE KNOWN.

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SECTION VIII - CONTROL MEASURES

VENTILATION REQUIREMENTS:

LOCAL EXHAUST.....AS APPROPRIATE

MECHANICAL (GENERAL).....AS APPROPRIATE

SPECIAL.....NONE

OTHER.....NONE  
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PERSONAL PROTECTIVE EQUIPMENT:

EYE AND FACE PROTECTION

AN ANSI Z87.1-1989 APPROVED SAFETY GLASSES AND/OR FACE SHIELD SHOULD BE WORN WHEN USING THIS PRODUCT.

PROTECTIVE GLOVES & CLOTHING: SUITABLE CHEMICALLY RESISTENT GLOVES & PROTECTIVE CLOTHING SHOULD BE WORN WHILE WORKING WITH THIS PRODUCT IN ACCORDANCE WITH 29 CFR 1910.132 - PERSONAL PROTECTIVE EQUIPMENT.

RESPIRATORY PROTECTION: USE A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR W/ APPROPRIATE DUST AND METAL FUME PROTECTION. SELF-CONTAINED BREATHING APPARATUS (SCBA) SHOULD BE USED FOR LARGE-SCALE OPERATIONS.

ANY RESPIRATOR WORN IN CONJUNCTION W/ THIS PRODUCT SHOULD BE WORN IN CONJUNCTION W/ 29 CFR 1910.134-RESPIRATORY PROTECTION.

SECTION IX - ADDITIONAL INFORMATION

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ADDITIONAL MANUFACTURER WARNINGS:  
REGULATORY INFORMATION

TSCA INVENTORY STATUS  
ZINC DUST- LISTED  
SULFAMIC ACID - LISTED

SARA TITLE III

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE LIST: NOT LISTED

SECTION 313 TOXIC CHEMICAL: ZINC POWDER OR DUST - 1% (1/01/87)

SECTION 311 HAZARD CLASSIFICATION: IMMEDIATE (ACUTE) - YES DELAYED (CHRONIC) - YES

FIRE-NO SUDDEN RELEASE OF PRESSURE-NO REACTIVE - NO

US EPA CERCLA: REPORTABLE QUANTITY-NOT LISTED RCRA HAZ WASTE: NOT LISTED

STATE/INT'L RIGHT-TO-KNOW: CANADA'S WHMIS- SULFAMIC ACID 1 PERCENT

TRANSPORTATION INFORMATION

DOT: PROPER SHIPPING NAME: CORROSIVE SOLIDS, N.O.S.

TECHNICAL NAME: (CONTAINS SULFAMIC ACID)

HAZARD CLASS: 8

IDENTIFICATION #: UN1759

PACKAGING GROUP: III

LABEL REQUIRED: CORROSIVE

DOT EMERGENCY RESPONSE

GUIDEBOOK (1990): GUIDE 60

IMDG: ND

IATA: PROPER SHIPPING NAME: CORROSIVE SOLIDS, NOS TECHNICAL NAME: (CONTAINS SULFAMIC ACID) HAZARD CLASS: 8 LABEL REQUIRED:

IDENTIFICATION #: UN1759

CORROSIVE

PACKAGING GROUP: III

TDG: PROPER SHIPPING NAME: CORROSIVE SOLIDS, NOS TECHNICAL NAME: (CONTAINS SULFAMIC ACID) HAZARD CLASS: 8, (9.2) IDENTIFICATION #: UN1759

PACKAGING GROUP: III

LABEL REQUIRED: CORROSIVE

OTHER PRECAUTIONS AND COMMENTS:

ABBREVIATIONS: NA..NOT APPLICABLE ND..NOT DETERMINED NE..NOT ESTABLISHED

DOT - US DEPT OF TRANSPORTATION IATA- INTL AIR TRANSPORT ASSN

IMDG-INTL MARITIME ORG DANGEROUS GOODS CODE TDG- TRANSPORTATION OF DANGEROUS

WHMIS: WORKERS HAZ MATER.INFO SYSTEMS (CANADA) GOODS (CANADA)

CFR: CODE OF FEDERAL REGULATIONS

NOTE!!! THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED ONLY FOR THE 5200

SERIES SPILFYTER FOR HAZARDOUS MATERIALS - MERCORB POWDER

BE VERY CAREFUL TO REVIEW THE MSDS SHEET FOR THE CHEMICAL THE MERCORB

POWDER IS BEING USED WITH & TAKE PRECAUTIONS AS DESCRIBED.

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YOU HAVE BEEN PROVIDED DATA, PRODUCT LABELS, MSDS, AND OTHER INFORMATION ABOUT SPILFYTER PRODUCTS.

SOME SPILFYTER PRODUCTS ARE HAZARDOUS. INFORMATION ABOUT PRODUCTS THAT ARE HAZARDOUS IS FURNISHED WITHOUT GUARANTEE.

JV MANUFACTURING CO., INC. DOES NOT GUARANTEE THE INFORMATION ABOUT HAZARDOUS SPILFYTER PRODUCTS.

THOSE PRODUCTS ARE ONLY TO BE USED BY PEOPLE HAVING EXPERIENCE IN USING HAZARDOUS MATERIALS.

THE INFORMATION PROVIDED ABOUT HAZARDOUS MATERIALS IS BELIEVED TO BE CORRECT.

YOU MUST PERFORM YOUR INVESTIGATION AS TO THE SAFETY, TOXICITY, SUITABILITY, AND PROPER SHIPPING METHOD FOR ANY HAZARDOUS SPILFYTER PRODUCT YOU HAVE PURCHASED.

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IF YOU RESELL SPILFYTER PRODUCTS, YOU MUST BY LAW, FURNISH YOUR CUSTOMERS A COPY OF MATERIAL SAFETY DATA SHEETS, AND HANDLING INSTUCTIONS.

YOU ARE ALSO REQUIRED BY LAW TO INSURE THAT ALL SPILFYTER PRODUCTS ARE PROPERLY SHIPPED.

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\*\*\*END MSDS\*\*\*