

MSDS NO.: 1 MATERIAL SAFETY DATA SHEET
PART NO.: 1000 SERIES FORM 1-JMD
PRODUCT NAME: SPILFYTER FOR HAZARDOUS MATERIALS 56616-230 SC56616-352
-ARG-DRI PRODUCTS 56609-220 56616-374
CAS NO.: 0 56616-002
CHEMICAL NAME: ARG-DRI SORBENTS

SECTION I

MANUFACTURER: JV MANUFACTURING CO, INC.
ADDRESS: 963 ASHWAUBENON STREET
GREEN BAY, WI 54304
EMERGENCY TELEPHONE NO.: (800)424-9300 OR 202-483-7616 (INT'L)
INFORMATION TELEPHONE NO.: (800)334-9092
DATE PREPARED: 7/01/93 REPLACES ALL PREVIOUS MSDS VERSIONS.

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

SECTION 2 - HAZARDOUS INGREDIENTS

CAS #	HAZARDOUS COMPONENT	NTP	IARC	SUB- PART/Z	SARA 313	OSHA PEL	ACGIH TLV	OTHER RECOMMENDED	LIMITS %
-0	A PROPRIETARY COMP OF AMORPHOUS ALUMINUM,POTASSIUM, N	N	N	N	N	NE	NE	NE	<100.0
	SODIUM SILICATE GLASS FOAM PARTICLE(- DOES NOT MEET THE DEFINITION OF A HAZ- ARDOUS CHEMICAL GIVEN IN 29CFR 1910.1200(OSHA) INFO PROVIDED AS SERVICE ONLY								
9003-07-0	ARTICLES SUCH AS SOCKS/DIKES , AND PILLOWS, HAVE A POLYPROPYLENE CASING TO CONTAIN THE ARG- DRI SORBENT.	N	N	N	N	NE	NE	NE	<100.0

SECTION III - PHYSICAL/ CHEMICAL CHARACTERISTICS

BOILING POINT: > 2000 F SPECIFIC GRAVITY(H2O=1): 0.04980
VAPOR PRESSURE(MM HG): NA MELTING POINT: NA
VAPOR DENSITY(AIR=1): NA EVAPORATION RATE(BUTYL ACETATE=1): >2000F
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: WHITE CRYSTALLINE POWDER
OTHER INFORMATION: PH...NA PERCENT VOLATILES...NA BORON AS B202...0
FREE CRYSTALLINE SILICA...<0.1% SODIUM AS NA2O...3-4.5%

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD: NA FLAMMABLE LIMITS: LEL: NA UEL: NA
EXTINGUISHING MEDIA: NON-COMBUSTIBLE AS SUPPLIED. ANY MEDIA CAN BE USED FOR PKG
SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE & EXPLOSION HAZARDS: NONE

*****SECTION V - REACTIVITY DATA*****

STABILITY: STABLE CONDITIONS TO AVOID...NONE KNOWN
INCOMPATIBILITY: HYDROFLUORIC ACID. FUMING NITRIC & SULFURIC ACID WILL DEGRADE
THE POLYPROPYLENE FABRIC CASING.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE KNOWN.

HAZARDOUS POLYMERIZATION: MAY OCCUR..NO WILL NOT OCCUR..YES

*****SECTION VI - HEALTH HAZARD DATA*****

ROUTES OF ENTRY: EYES..NO SKIN..NO INHALATION..YES INGESTION...NO
HEALTH HAZARDS (ACUTE AND CHRONIC):
EFFECTS OF OVEREXPOSURE: ACUTE(IMMEDIATE): EYES-MAY CAUSE IRRITATION, EXPERIENC
ED AS MILD DISCOMFORT & SEEN AS SLIGHT REDNESS OF THE EYE. SKIN-MAY CAUSE
IRRITATION.
INHALATION: EXPOSURE TO DUST LEVELS EXCEEDING THE PEL MAY CAUSE IRRITATION OF
UPPER RESPIRATORY TRACT.

CHRONIC (DELAYED):

INHALATION:

PERSISTENT DRY COUGH AND LABORED BREATHING EXERTION ARE SYMPTOMATIC.

SIGNS & SYMPTOMS OF EXPOSURE:

EYES: REDNESS, TEARING
SKIN CONTACT : REDNESS
INHALATION: DRY COUGHING

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: REPEATED SKIN CONTACT MAY AGGRAVATE EXISTING DERMATITIS AND/OR SENSITIVITY OF THE SKIN. BREATHING OF DUST MAY AGGRAVATE ACUTE OR CHRONIC ASTHMA & OTHER PULMONARY DISEASE.

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 IF SKIN IRRITATION DEVELOPS OR PERSISTS.
SKIN: BRUSH OFF EXCESS POWDER W/ DRY TOWEL. WASH AFFECTED AREA W/ PLENTY OF SOAP & WATER FOR SEVERAL MINUTES. SEEK MED ATTN IF IRRITATION DEVELOPS/PERSISTS

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK MEDICAL ATTENTION.

OTHER HEALTH WARNINGS:

EXPOSURE LIMITS:

TREAT AS NUISANCE DUST

TOTAL DUST	TWA 5MG/M3 (OSHA)	TLV 10MG/M3 (ACGIH)
RESPIRABLE DUST	5MG/M3	ND

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: NONHAZARDOUS AS SUPPL CONTAIN LEAKING OR SPILLED MATERIAL. CLEAN-UP USING SHOVELS, SWEEPING OR VACUUM SPILLED MATERIAL TO AVOID GENERATING AIRBORNE DUST.

ALL SPILLS SHOULD BE HANDLED ACCORDING TO A PREDETERMINED PLAN IN ACCORDANCE WITH 29CFR1910.120 - HAZARDOUS WASTE & EMERGENCY RESPONSE.

WASTE DISPOSAL METHOD: THIS MATERIAL IN ITS ORIGINAL (VIRGIN) STATE IS NOT CONSIDERED A HAZARDOUS MATERIAL BY CURRENT RCRA GUIDELINES, AND MAY BE DISPOSED OF IN ACCORDANCE W/ FEDERAL, STATE, & LOCAL GUIDELINES. ONCE THIS PRODUCT SORBS A CHEMICAL, USE FEDERAL, STATE, & LOCAL REGULATIONS FOR THE CHEMICAL SORBED.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:

STORAGE: STORE IN A COOL, DRY, WELL VENTILATED AREA. CLEAN UP SPILLS PROMPTLY TO AVOID MAKING DUST.

WORK/HYGIENIC PRACTICES: SEE SECTION VIII - CONTROL MEASURES FOR PERSONAL PROTECTIVE EQUIPMENT SUGGESTIONS.

DO NOT GET INTO EYES.

OTHER PRECAUTIONS: NONE KNOWN.

SECTION VIII - CONTROL MEASURES

VENTILATION REQUIREMENTS:

LOCAL EXHAUST.....AS APPROPRIATE, TO MAINTAIN PEL'S AND TLV'S
MECHANICAL (GENERAL).....AS APPROPRIATE, TO MAINTAIN PEL'S AND TLV'S
SPECIAL.....NONE
OTHER.....NONE

PERSONAL PROTECTIVE EQUIPMENT:

EYE AND FACE PROTECTION

AN ANSI Z87.1-1989 APPROVED SAFETY GLASSES OR CHEMICAL GOGGLES 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: IF A DUST IS GENERATED USE NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR W/ APPROPRIATE FILTER FOR NUISANCE DUST.

SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED FOR LARGE SCALE OPERATIONS. ANY RESPIRATORS WORN IN CONJUNCTION W/ THIS PRODUCT SHOULD BE IN ACCORDANCE W/ 29CFR 1910.134 - RESPIRATORY PROTECTION.

OTHER PROTECTIVE EQUIPMENT: MAINTAIN SAFETY & FACE FOUNTAIN IN THE WORK AREA.
HAVE OXYGEN READILY AVAILABLE.

SECTION IX - ADDITIONAL INFORMATION

ADDITIONAL MANUFACTURER WARNINGS:
REGULATORY INFORMATION

TSCA INVENTORY STATUS
POLYPROPYLENE - LISTED

SARA TITLE III
SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE LIST: NOT LISTED
SECTION 313 TOXIC CHEMICAL: NOT LISTED

US EPA CERCLA REPORTABLE QUANTITY (RQ) : NOT LISTED

RCRA HAZARDOUS WASTE: NOT LISTED

STATE/INT'L RIGHT-TO-KNOW REGULATION: NOT LISTED

TRANSPORTATION INFORMATION

DOT: PROPER SHIPPING NAME: NON REGULATED
HAZARD CLASS: NA
IDENTIFICATION #: NA LABEL REQUIRED: NA
PACKAGING GROUP: NA
DOT EMERGENCY RESPONSE GUIDEBOOK: GUIDE NA
IATA: NOT REGULATED
IMDG: NOT REGULATED

TDG: NON REGULATED

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
GOODS (CANADA)
NOTE!!! THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED ONLY FOR THE
1000 SERIES SPILFYTER FOR HAZARDOUS MATERIALS - ARG-DRI PRODUCTS.

BE VERY CAREFUL TO REVIEW THE MSDS SHEET FOR THE CHEMICAL THE ARG-DRI SORBENT
IS BEING USED WITH, AND TAKE PRECAUTINS AS DESCRIBED.

THE INFORMATIN ACCUMULATED HEREIN HAS BEEN COMPILED FROM SOURCES BELIEVED TO BE
RELIABLE AND IS ACCURATE TO THE BEST OF OUR ABILITY. HOWEVER, JV MANUFACTURING
CO INC. CANNOT GIVE GUARANTEES REGARDING THE INFORMATION FROM SOURCES, AND
EXPRESSLY DOES NOT MAKE ANY WARRANTIES, NOR ASSUMES ANY LIABILTY FOR ITS USES
OF THIS PRODUCT.

DISCLAIMER

YOU HAVE PURCHASED SPILFYTER PRODUCTS FRON JV MANUFACTURING CO., INC.
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.

NO GUARANTEE, EXPRESSED OR IMPLIED, IS MADE BY JV MANUFACTURING CO., INC. ABOUT THE RESULTS OF USE OF ITS PRODUCTS. NO GUARANTEE IS MADE AS TO THE SAFETY AND TOXICITY OF ANY SPILFYTER PRODUCT.

JV MANUFACTURING CO, INC. DOES NOT ASSUME ANY LIABILITY ARISING OUT OF SPILFYTER PRODUCTS. ADDITIONAL INFORMATION AND RESEARCH MAY BE NECESSARY BEFORE YOU USE THE SPILFYTER PRODUCTS.

JV MANUFACTURING CO., INC IS NOT RESPONSIBLE FOR DAMAGES, DIRECT OR INDIRECT, RESULTING FROM THE USE OF SPILFYTER PRODUCTS OR FROM RELIANCE ON DATA IN THE MATERIAL SAFETY DATA SHEET, OR PRODUCT LABEL.

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

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

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END MSDS

MSDS NO.: 6 MATERIAL SAFETY DATA SHEET
PART NO.: 4100 SERIES FORM #6-JMD
PRODUCT NAME: SPILFYTER FOR HAZARDOUS MATERIALS 56616-024 56616-076
-KOLORSAFE LIQUID ACID NEUTRALIZER 56609-202
CAS NO.: 0
CHEMICAL NAME: LIQUID ACID NEUTRALIZER

SECTION I - GENERAL INFORMATION

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:2 HEALTH:2
FIRE:1 FIRE:1
REACTIVITY:1 REACT.:1
PERSONALPROTECTION:X SPEC.HAZ.

SECTION 2 - HAZARDOUS INGREDIENTS

CAS #	HAZARDOUS COMPONENT	NTP	IARC	SUB- PART/Z	SARA 313	OSHA PEL	ACGIH TLV	OTHER RECOMMENDED	LIMITS %
102-71-6	TRIETHANOLAMINE	N	N	N	N	NE	5MG/M3	1% WHMIS	<50.0
111-42-2	DIETHANOLAMINE	N	N	Y	Y	3PPM	3PPM	1% WHMIS	<3.0
72-48-0	ALIZARIN	N	N	N	N	NE	NE	NE	<1.0
7732-18-2	WATER	N	N	N	N	NE	NE	NE	>46.0

SECTION III - PHYSICAL/ CHEMICAL CHARACTERISTICS

BOILING POINT: 103.2 SPECIFIC GRAVITY(H2O=1): 1.09405
VAPOR PRESSURE(MM HG): NT MELTING POINT: NT
VAPOR DENSITY(AIR=1): NT EVAPORATION RATE(BUTYL ACETATE=1): NT
SOLUBILITY IN WATER: COMPLETE

APPEARANCE AND ODOR: PURPLE LIQUID, AMMONIA ODOR
OTHER INFORMATION: PH...11.5 VISCOSITY...LOW PERCENT VOLATILES...50
FREEZING POINT...70 F

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD: NT FLAMMABLE LIMITS: LEL: NA UEL: NA
EXTINGUISHING MEDIA: NON-FLAMMABLE AS SUPPLIED. WATER SPRAY, DRY CHEMICAL, FOAM
, CO2, IF THE NEED EXISTS. WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO COOL
FIRE-EXPOSED CONTAINER. IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO
DISPERSE THE VAPORS & TO PROVIDE PROTECTION TO PERSONS ATTEMPTING TO STOP LEAK.
SPECIAL FIRE FIGHTING PROCEDURES: FOR LARGE FIRE OR IN CONTAINED AREA, USE NIOSH
/MSHA APPROVED SCBA WHEN EXPOSED TO SMOKE & DURING CLEANUP & SALVAGE OPERATIONS
UNUSUAL FIRE & EXPLOSION HAZARDS: NONE KNOWN

*****SECTION V - REACTIVITY DATA*****

STABILITY: STABLE INCOMPATIBILITY: NITRITES DO NOT ADD OR FORMULATE W/ NITRITES
THIS PRODUCT CONTAINS AMINES WHICH CAN COMBINE W/ NITRITES TO FORM NITROSAMINES.
MANY NITROSAMINES HAVE BEEN SHOWN TO CAUSE CANCER IN LAB ANIMALS. HAZ. DECOMP.
OF PRODUCTS: THERMAL DECOMP. NITROGEN, CO, CO2, AMMONIA, IRRITATING ALDEHYDES &
KETONES MAY BE FORMED ON BURNING IN A LIMITED AIR SUPPLY.
HAZARDOUS POLYMERIZATION: MAY OCCUR..NO WILL NOT OCCUR..YES

*****SECTION VI - HEALTH HAZARD DATA*****

ROUTES OF ENTRY: EYES...YES SKIN...YES INHALATION...YES INGESTION...YES
HEALTH HAZARDS (ACUTE AND CHRONIC):

EFFECTS OF OVEREXPOSURE: ACUTE (IMMEDIATE): EYES-MAY CAUSE IRRITATION, EXPERIENCED
AS MILD DISCOMFORT & SEEN AS SLIGHT REDNESS OF THE EYE. SKIN-NO ADVERSE
EFFECTS EXPECTED FROM ABSORPTION OF MATERIALS THROUGH SKIN. BRIEF CONTACT MAY
CAUSE SLIGHT IRRITATION. PROLONGED CONTACT AS W/ CLOTHING WET W/ MATERIAL MAY
CAUSE MORE SEVERE IRRITATION & DISCOMFORT SEEN AS LOCAL REDNESS & SWELLING.
INHALATION: VAPORS OR MISTS IN EXCESS OF PERMISSIBLE CONCENTRATIONS, OR IN UN-
USUALLY HIGH CONCENTRATIONS GENERATED FROM SPRAYING, HEATING OR FROM EXPOSURE
IN POORLY VENTILATED OR CONFINED SPACES, MAY CAUSE IRRITATION OF NOSE & THROAT,
HEADACHE, NAUSEA, & DROWSINESS. INGESTION: NO ADVERSE EFFECTS EXPECTED. IF
MORE THAN SEVERAL MOUTHFULS ARE SWALLOWED, ABDOMINAL DISCOMFORT, NAUSEA, AND
DIARRHEA MAY OCCUR.

CHRONIC (DELAYED): NO ADVERSE EFFECTS ANTICIPATED.

SIGNS & SYMPTOMS OF EXPOSURE: SEE HEALTH HAZARDS ABOVE FOR SYMPTOMS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: BECAUSE OF ITS IRRITATING
PROPERTIES, REPEATED SKIN CONTACT MAY AGGRAVATE EXISTING DERMATITIS.
REPEATED OVEREXPOSURE MAY AGGRAVATE EXISTING KIDNEY DISEASE.

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. WASH W/ PLENTY OF SOAP & WATER FOR SEVERAL
MINUTES. 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: IF SWALLOWED, GIVE 2 GLASSES OF WATER (16 OZ.). CALL PHYSICIAN OR POI-
SON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON
OTHER HEALTH WARNINGS: REMOVE & DRY CLEAN OR LAUNDRY CLOTHING SOAKED OR SOILED
W/ THIS MATERIAL SEPARATELY BEFORE REUSE. INFORM INDIVIDUALS RESPONSIBLE FOR
CLEANING CLOTHING THE POSSIBLE HAZARDS ASSOCIATED W/ CONTAMINATED CLOTHING.

EXPOSURE LIMITS:

TRIETHANOLAMINE (ETHANOL, 2, 2', 2' -NITRILOTRIS) TWA 5MG/M3 (ACGIH)
DIETHANOLAMINE (ETHANOL, 2, 2' -IMINOBIS) TWA 3PPM (OSHA) TWA 3PPM (ACGIH)

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: VENTILATE AREA. AVOID
BREATHING VAPOR. USE SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR FOR
LARGE SPILLS OR IN CONFINED AREAS. CONTAIN LEAKING OR SPILLED MATERIAL W/ CHEM-
ICALLY RESISTANT SORBENT MATERIALS. NEUTRALIZE SPILL W/ A WEAK ACID SUCH AS
VINEGAR OR ACETIC ACID. ABSORB NEUTRALIZED LIQUID W/ CHEMICALLY RESISTANT SOR-
BENT MATERIALS. PLACE SORBENT MATERIALS IN APPROVED DISPOSAL CONTAINER. SCRUB THE
AREA W/ DETERGENT & WATER. ALL SPILLS SHOULD BE HANDLED ACCORDING TO A PREDETER-
MINED PLAN IN ACCORDANCE W/ 29CFR 1910.120 -HAZARDOUS WASTE & EMERGENCY RESPONSE.

WASTE DISPOSAL METHOD: DISPOSE OF ORIGINAL (VIRGIN) PRODUCT IN ACCORDANCE W/ FED-
ERAL, STATE, & LOCAL REGULATIONS. ONCE THIS PRODUCT REACTS W/ A CHEMICAL IT
WILL CONTAIN THE BY-PRODUCTS OF THE REACTION, WHICH SHOULD BE DISPOSED OF ACC-

ORDING TO ALL FEDERAL, STATE, & LOCAL REGULATIONS FOR THESE BY-PRODUCTS.
PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:
STORAGE: AVOID HIGH HEAT AND/OR FREEZING CONDITIONS. KEEP CONTAINER TIGHTLY
CLOSED. SUITABLE FOR GENERAL CHEMICAL STORAGE AREA.
WARNING: THIS PRODUCT MUST BE PROPERLY STORED. IMPROPER STORAGE IS MISUSE. IF
THE PRODUCT IS STORED AT TEMPS IN EXCESS OF 100 F, BELOW 70 F, OR AT ELEVATION
OVER 5000 FEET, GAS MAY FORM. GAS WILL BULGE THE PACKAGE. IF BULGING OCCURS,
TAKE THE PACKAGE OUTDOORS. WEAR PROTECTIVE EQUIPMENT, INCLUDING FACE SHIELD,
SLOWLY OPEN THE CONTAINER TO VENT GAS.
WORK/HYGIENIC PRACTICES:
WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIMES DAILY WITH SOAP & WATER.
OTHER PRECAUTIONS: NONE KNOWN.

SECTION VIII - CONTROL MEASURES

VENTILATION REQUIREMENTS:
LOCAL EXHAUST.....AS APPROPRIATE
MECHANICAL(GENERAL).....AS APPROPRIATE
SPECIAL.....NONE
OTHER.....NONE

PERSONAL PROTECTIVE EQUIPMENT:
EYE AND FACE PROTECTION

WEAR AN ANSI Z87.1-1989 APPROVED CHEMICAL GOGGLES AND/OR FACE SHIELD SHOULD
BE WORN WHEN USING THIS PRODUCT.
PROTECTIVE GLOVES & CLOTHING: SUITABLE CHEMICALLY RESISTENT GLOVES & PROTEC-
TIVE CLOTHING SHOULD BE WORN WHILE WORKING WITH THIS PRODUCT IN ACCORDANCE WITH
29 CFR 1910-132 - PERSONAL PROTECTIVE EQUIPMENT.
RESPIRATORY PROTECTION: IF A VAPOR OR MIST IS GENERATED USE NIOSH/MSHA APPROV-
ED AIR PURIFYING RESPIRATOR W/ APPROPRIATE CHEMICAL CARTRIDGE OR CANISTER. SELF
CONTAINED BREATHING APPARATUS (SCBA) SHOULD BE USED FOR LARGE-SCALE OPERATIONS.
ANY RESPIRATOR WORN IN CONJUNCTION W/ THIS PRODUCT SHOULD BE WORN IN CONJUNC-
TION W/ 29 CFR 1910.134-RESPIRATORY PROTECTION. SEE SECTION VI FOR COMPONENT
PERMISSIBLE EXPOSURE LIMITS.
OTHER PROTECTIVE EQUIPMENT: MAINTAIN SAFETY & FACE FOUNTAIN IN THE WORK AREA.
HAVE OXYGEN READILY AVAILABLE.

SECTION IX - ADDITIONAL INFORMATION

ADDITIONAL MANUFACTURER WARNINGS:

REGULATORY INFORMATION

TSCA INVENTORY STATUS

TRIETHANOLAMINE-LISTED

DIETHANOLAMINE -LISTED

ALIZARIN -LISTED

SARA TITLE III

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE LIST: NOT LISTED

SECTION 313 TOXIC CHEMICAL: DIETHANOLAMINE 111-42-2 <3.0 PERCENT

SECTION 311 HAZARD CATEGORIZATION: IMMEDIATE(ACUTE)...YES DELAYED...NO

FIRE...NO REACTIVE...NO SUDDEN RELEASE OF PRESSURE..NO

US EPA CERCLA SEC. 102(A) HAZARDOUS SUBSTANCES: DIETHANOLAMINE 111-42-2 <2.0%
RQ(LBS) 1.0

RCRA HAZARDOUS WASTE: NOT LISTED

STATE/INT'L RIGHT-TO-KNOW REGULATION: CANADA'S WHMIS -TRIETHANOLAMINE 1%
-DIETHANOLAMINE 1%

CLASS D, DIVISION 2, SUBDIVISION B: SKIN & EYE IRRITANT

TRANSPORTATION INFORMATION

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

TECHNICAL NAME: (CONTAINS TRIETHANOLAMINE) IDENTIFICATION #: UN1760

PACKAGING GROUP: III

LABEL REQUIRED: CORROSIVE

DOT EMERGENCY RESPONSE GUIDEBOOK: GUIDE 60

IMDG: ND

IATA: SAME AS DOT

TDG: PROPER SHIPPING NAME:CORROSIVE LIQUIDS,N.O.S. HAZARD CLASS: 8,(9.2)
TECHNICAL NAME: (CONTAINS TRIETHANOLAMINE)SPECIAL PROVISION:109
IDENTIFICATION NUMBER: UN1760
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)
NOTE!!! THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED ONLY FOR THE
4100 SERIES SPILFYTER KOLORSAFE LIQUID ACID NEUTRALIZER ITSELF.

BE VERY CAREFUL TO REVIEW THE MSDS SHEET FOR THE CHEMICAL THIS LIQUID NEUTRAL-
IZER IS BEING USED WITH, AND TAKE PRECAUTINS AS DESCRIBED.

THE INFORMATIN ACCUMULATED HEREIN HAS BEEN COMPILED FROM SOURCES BELIEVED TO BE
RELIABLE AND IS ACCURATE TO THE BEST OF OUR ABILITY. HOWEVER, JV MANUFACTURING
CO INC. CANNOT GIVE GUARANTEES REGARDING THE INFORMATION FROM SOURCES, AND
EXPRESSLY DOES NOT MAKE ANY WARRANTIES, NOR ASSUMES ANY LIABILTY FOR ITS USES
OF THIS PRODUCT.

DISCLAIMER

YOU HAVE PURCHASED SPILFYTER PRODUCTS FRON JV MANUFACTURING CO., INC.
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.

NO GUARANTEE, EXPRESSED OR IMPLIED, IS MADE BY JV MANUFACTURING CO., INC. ABOUT
THE RESULTS OF USE OF ITS PRODUCTS. NO GUARANTEE IS MADE AS TO THE SAFETY AND
TOXICITY OF ANY SPILFYTER PRODUCT.

JV MANUFACTURING CO, INC. DOES NOT ASSUME ANY LAIBILITY ARISING OUT OF SPIL-
FYTER PRODUCTS. ADDITIONAL INFORMATIONN AND RESEARCH MAY BE NECESSARY BEFORE
YOU USE THE SPILFYTER PRODUCTS.

JV MANUFACTURING CO., INC IS NOT RESPONSIBLE FOR DAMAGES, DIRECT OR INDIRECT,
RESULTING FROM THE USE OF SPILFYTER PRODUCTS OR FROM RELIANCE ON DATA IN THE
MATERIAL SAFETY DATA SHEET, OR PRODUCT LABEL.

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 PROP-
ERLY SHIPPED.

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END MSDS