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A business of MSC Industrial Supply Co.

Safety Data Sheet

Supply Co. - MC FREE PAINT & GASKET REMOVER, BD1155

Document Nbr: 004979
Class C Parts IDs BD1155,BD1155-1

MATERIAL SAFETY DATA SHEET

-----SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION -----

PRODUCT NAME: BD1155 MC-FREE GASKET REMOVER

IDENTIFICATION NUMBER: A-3094 0718-100

PRODUCT USE/CLASS: GASKET REMOVER

MANUFACTURED BY:
AMERICAN JETWAY CORPORATION
34136 MYRTLE STREET
WAYNE, MICHIGAN 48184-0126

EMERGENCY AGENCY:
CHEMREC: 1-800-424-9300 (24 HOURS)

PREPARER: CUSTOMER SERVICE

PHONE:

PREPARE DATE: 07/20/2011

-----SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS -----

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT %
01	2-BUTANONE	78-93-3	30-40%
02	PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	10-20%
03	TOLUENE	108-88-3	10-20%

04	PROPYLENE GLYCOL N-BUTYL ETHER	5131-66-8	1-10%
05	4-HYDROXY-4-METHYL-2-PENTANONE	123-42-2	1-10%
06	4-METHYL-2-PENTANOL	108-11-2	1-10%
07	BUTYL CELLOSOLVE ACETATE	112-07-2	1-10%
08	BUTYL ALCOHOL	71-36-3	1-10%
09	ETHANOL-A2	64-17-5	1-10%
10	PINE OIL	8002-09-3	1-10%

EXPOSURE LIMITS:

ITEM	ACGIH		OSHA		COMPANY TLV-TWA	SKIN
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING		
01	200 PPM	300 PPM	200 PPM	N.E.	N.E.	YES
02	N.E.	N.E.	N.E.	N.E.	N.E.	NO
03	20 PPM	N.E.	200 PPM	300 PPM	N.E.	NO
04	N.E.	N.E.	N.E.	N.E.	N.E.	NO
05	50 PPM	N.E.	50 PPM	N.E.	N.E.	NO
06	25 PPM SKIN	40 PPM SKIN	25 PPM SKIN	N.E.	N.E.	YES
07	5 PPM	N.E.	N.E.	N.E.	N.E.	NO
08	20 MG/M3	50 PPM SKIN*	300 MG/M3	50 PPM SKIN	N.E.	YES
09	200 PPM SKIN	250 PPM SKIN	200 PPM	N.E.	N.E.	NO
10	3 MG/M3 MIST	10 MG/M3 MIST*	N.E.	N.E.	100 PPM	NO

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

* - CEILING VALUE

-----SECTION 3 - HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

VAPORS IRRITATING TO EYES AND RESPIRATORY TRACT. VAPORS MAY CAUSE FLASH FIRE

OR EXPLOSION.

EFFECTS OF OVEREXPOSURE - EYE CONTACT:

LIQUID, AEROSOLS AND VAPORS OF THIS PRODUCT ARE IRRITATING AND CAN CAUSE PAIN, TEARING, REDDENING AND SWELLING ACCOMPANIED BY A STINGING SENSATION AND/OR A FEELING LIKE THAT OF FINE DUST IN THE EYES.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT:

PROLONGED OR REPEATED CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS (RASH).

EFFECTS OF OVEREXPOSURE - INHALATION:

HEADACHES, DIZZINESS, NAUSEA, DECREASED BLOOD PRESSURE, CHANGES IN HEART RATE AND CYANOSIS MAY RESULT FROM OVER-EXPOSURE TO VAPOR OR SKIN EXPOSURE. PROLONGED INHALATION MAY BE HARMFUL.

EFFECTS OF OVEREXPOSURE - INGESTION:

THIS MATERIAL MAY BE HARMFUL OR FATAL IF SWALLOWED. IF A CORROSIVE PRODUCT, MAY CAUSE SEVERE AND PERMANENT DAMAGE TO MOUTH, THROAT AND STOMACH.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:

OVEREXPOSURE MAY CAUSE NERVOUS SYSTEM DAMAGE. OVEREXPOSURE MAY CAUSE LUNG DAMAGE. OVEREXPOSURE MAY CAUSE KIDNEY DAMAGE. MAY CAUSE LIVER DISORDER (E.G., EDEMA, PROTEINURIA) AND DAMAGE.

PRIMARY ROUTE(S) OF ENTRY:

SKIN CONTACT

SKIN ABSORPTION

INHALATION

INGESTION

EYE CONTACT

-----SECTION 4 - FIRST AID MEASURES -----

FIRST AID - EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION, IF IRRITATION PERSISTS,

FIRST AID - SKIN CONTACT:

WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

FIRST AID - INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET IMMEDIATE MEDICAL ATTENTION.

FIRST AID - INGESTION:

GET MEDICAL ATTENTION IMMEDIATELY. IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE VICTIM A GLASS OF WATER OR MILK. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

-----SECTION 5 - FIRE FIGHTING MEASURES -----

FLASH POINT: -141 F (PENSKY-MARTENS C.C.)

LOWER EXPLOSIVE LIMIT: 1.0%

UPPER EXPLOSIVE LIMIT: 19.0%

AUTOIGNITION TEMPERATURE: ND

EXTINGUISHING MEDIA:

ALCOHOL FOAM

CO2

DRY CHEMICAL

FOAM

WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS:

VAPORS CAN TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. "EMPTY" CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS, DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.

SPECIAL FIREFIGHTING PROCEDURES:

CONTAINERS CAN BUILD UP PRESSURE IF EXPOSED TO HEAT (FIRE). AS IN ANY FIRE. WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND (MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

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

ABSORB SPILL WITH INERT MATERIAL (E.G. DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER.

-----SECTION 7 - HANDLING AND STORAGE -----

HANDLING: WASH THOROUGHLY AFTER HANDLING.

STORAGE: KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP FROM FREEZING.

-----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS:

LOCAL EXHAUST VENTILATION MAY BE NECESSARY TO CONTROL ANY AIR CONTAMINANTS

TO WITHIN THEIR TLVS DURING THE USE OF THIS PRODUCT.

RESPIRATORY PROTECTION:

A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE OR CANISTER MAY BE PERMISSIBLE UNDER CERTAIN CIRCUMSTANCES WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED TO EXCEED EXPOSURE LIMITS. PROTECTION PROVIDED BY AIR PURIFYING RESPIRATORS IS LIMITED. USE A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR IF THERE IS ANY POTENTIAL FOR AN UNCONTROLLED RELEASE, EXPOSURE LEVELS ARE NOT KNOWN, OR ANY OTHER CIRCUMSTANCES WHERE AIR PURIFYING RESPIRATORS MAY NOT PROVIDE ADEQUATE PROTECTION.

SKIN PROTECTION:

WHERE CONTACT IS LIKELY, WEAR CHEMICAL RESISTANT GLOVES, A CHEMICAL SUIT, RUBBER BOOTS, AND CHEMICAL SAFETY GOGGLES PLUS A FACE SHIELD.

EYE PROTECTION:

WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) AND A FACE SHIELD.

OTHER PROTECTIVE EQUIPMENT:

STANDARD INDUSTRIAL CLOTHING STANDARDS SHOULD BE FOLLOWED.

HYGIENIC PRACTICES:

WASH HANDS BEFORE EATING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. USE ONLY IN A WELL VENTILATED AREA. FOLLOW ALL MSDS/LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED BECAUSE THEY MAY RETAIN PRODUCT RESIDUES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. AVOID BREATHING VAPORS FROM HEATED MATERIAL. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING.

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

BOILING RANGE: -23 - 388 F

VAPOR DENSITY: IS HEAVIER THAN AIR

ODOR: PINE

ODOR THRESHOLD: ND

APPEARANCE: LIGHT AMBER

EVAPORATION RATE: IS FASTER THAN BUTYL ACETATE

SOLUBILITY IN H₂O: NEGLIGIBLE

FREEZE POINT: ND

SPECIFIC GRAVITY: 0.7527

VAPOR PRESSURE: ND

pH @ 0.0%: NA

PHYSICAL STATE: AEROSOL

VISCOSITY: NA

COEFFICIENT OF WATER/OIL DISTRIBUTION: ND

VOCS: 6.15 lbs/gal; 737 grams/liter

VOC, % (wt): 97.57%

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

-----SECTION 10 - STABILITY AND REACTIVITY -----

CONDITIONS TO AVOID: ALL SOURCES OF IGNITION, WELDING ARCS, AND OPEN FLAMES.

INCOMPATIBILITY: STRONG ACIDS, ALKALIS, OXIDIZERS, AND AMINES.

HAZARDOUS DECOMPOSITION PRODUCTS:

OXIDES OF CARBON, OXIDES OF NITROGEN, AND MAY PRODUCE FORMS OF CHLORIDE, CHLORINE, AND PHOSGENE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

-----SECTION 11 - TOXICOLOGICAL PROPERTIES -----

PRODUCT LD50: 636 MG/KG

PRODUCT LC50: 23500 PPM

COMPONENT TOXICOLOGICAL INFORMATION:

CHEMICAL NAME	LD50	LC50
2-BUTANONE	6480 MG/KG/RAT	23500 MG/M3/8H/RAT
PROPANE/ISOBUTANE/N-BUTANE	NE	NE
TOLUENE	636 MG/KG/RAT	49000 MG/M3/4H/RAT
PROPYLENE GLYCOL N-BUTYL ETHER	3300 MG/KG/RAT	NE
4-HYDROXY-4-METHYL-2-PENTANONE	4000 MG/KG/RAT	100000 MG/M3/RAT
4-METHYL-2-PENTANOL	2590 MG/KG/RAT	NE

BUTYL CELLOSOLVE ACETATE	2400 MG/KG/RAT	NE
BUTYL ALCOHOL	790 MG/KG/RAT	24000 MG/M3/4H/RAT
ETHANOL-A2	9000 MG/KG/RAT	39000 MG/M3/4H/MSE
PINE OIL	3200 MG/KG/RAT	NE

-----SECTION 12 - ECOLOGICAL INFORMATION -----

ECOLOGICAL INFORMATION: NO INFORMATION.

-----SECTION 13 - DISPOSAL CONSIDERATIONS -----

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

-----SECTION 14 - TRANSPORTATION INFORMATION -----

DOT PROPER SHIPPING NAME: CONSUMER COMMODITY

DOT TECHNICAL NAME: ORM-D

DOT HAZARD CLASS:

HAZARD SUBCLASS:

DOT UN/NA NUMBER:

PACKING GROUP:

RESP. GUIDE PAGE:

-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS: AS FOLLOWS

OSHA:
HAZARDOUS BY DEFINITION OF HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:
THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA 'HAZARD CATEGORIES'
PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND
REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER
APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES:
IMMEDIATE HEALTH HAZARD
CHRONIC HEALTH HAZARD
FIRE HAZARD

PRESSURIZED GAS HAZARD

SARA SECTION 313:

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 AT TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

CHEMICAL NAME	CAS NUMBER	WT/WT % IS LESS THAN
TOLUENE	108-88-3	10-20%
BUTYL CELLOSOLVE ACETATE	112-07-2	1-10%
BUTYL ALCOHOL	71-36-3	1-10%

TOXIC SUBSTANCES CONTROL ACT:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF TSCA 12(B) IF EXPORTED FROM THE UNITED STATES:

CHEMICAL NAME	CAS NUMBER
4-HYDROXY-4-METHYL-2-PENTANONE	123-42-2

U.S. STATE REGULATIONS: AS FOLLOWS

NEW JERSEY RIGHT-TO-KNOW:

THE FOLLOWING MATERIALS ARE NON-HAZARDOUS, BUT ARE AMONG THE TOP FIVE COMPONENTS IN THIS PRODUCT:

CHEMICAL NAME	CAS NUMBER
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NO NON-HAZARDOUS MATERIALS ARE AMONG THE TOP FIVE INGREDIENTS.

PENNSYLVANIA RIGHT-TO-KNOW:

THE FOLLOWING NON-HAZARDOUS INGREDIENTS ARE PRESENT IN THE PRODUCT AT GREATER THAN 3%:

CHEMICAL NAME	CAS NUMBER
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NO NON-HAZARDOUS INGREDIENTS ARE PRESENT AT GREATER THAN 3%.

CALIFORNIA PROPOSITION 65:

WARNING:

THE CHEMICAL(S) NOTED BELOW AND CONTAINED IN THIS PRODUCT, ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:

CHEMICAL NAME	CAS NUMBER
TOLUENE	108-86-3

ETHYLBENZENE 100-41-4

BENZENE 71-43-2

INTERNATIONAL REGULATIONS: AS FOLLOWS

CANADIAN WHMIS:

THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT REGULATIONS EXCEPT FOR USE OF THE 16 HEADINGS.

CANADIAN WHMIS CLASS: Not available.

-----SECTION 16 - OTHER INFORMATION -----

HMIS RATINGS:

HEALTH 3

FLAMMABILITY 4

REACTIVITY 0

LEGEND:

N.A. - NOT APPLICABLE

N.E. - NOT ESTABLISHED

N.D. - NOT DETERMINED

THIS MSDS IS NOT FOR REPRODUCTION OR DISTRIBUTION

THE INFORMATION CONTAINED ON THIS MSDS IS BEEN CHECKED AND SHOULD BE ACCURATE. HOWEVER, IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

PRODUCT: A-3094 0718-100