

MATERIAL SAFETY DATA SHEET CLOSET GASKET KIT

DATE OF ISSUE: 01/01/2004
SUPERCEDES:

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms: Trade Name & Synonyms:
N/A CLOSET GASKET KIT

Chemical Family: Formula Mixture:
PETROLEUM DISTILLATE/COPOLYMER SOLUTION X

Manufacturer's Name:
PLUMMASTER PRO. GROUP OF PLUMMASTER INC.

Address:
P.O. BOX 850
CONCORDVILLE, PA 19331

Prepared By: L Boynton/Chemist
Product Code Number: 71398 Group Code: 00071398
Emergency Phone Number: CHEMTRAC: 800=424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS:

Chemical Name (Ingredients): TOLUENE
Percent: 65-75
Hazard: IRR/FLAM
TLV: 50 PPM 1.
PEL: 100 PPM 2.
STEL: N/E
CAS#: 108-88-3

Chemical Name (Ingredients): HEAVY AROMATIC NAPHTHA
Percent: 5-10
Hazard: IRR/FLAM
TLV: 400 PPM 1.
PEL: 100 PPM 2.
STEL: N/E
CAS#: 64741-84-0

Chemical Name (Ingredients): HEXANE
Percent: >1
Hazard: IRR/FLAM
TLV: 50 PPM 1.
PEL: 50 PPM 2.
STEL: N/E
CAS#: 110-54-3

Chemical Name (Ingredients): XYLENE
Percent: >1
Hazard: IRR/FLAM
TLV: 100 PPM 1.
PEL: 100 PPM 2.

STEL: 150 PPM 1.
CAS#: 1330-20-7

SECTION III - PHYSICAL DATA

Boiling Point (f): 150-249°
Specific Gravity (H2O=1): <1
Vapor Pressure (MM HG): 22
Color: LIGHT BROWN
Vapor Density (Air=1): >1
Odor: GASOLINE
PH @ 100%: N/A
Clarity: TRANSPARENT
Volatile by Volume: 77-79
Evaporation Rate (BU A/C=1): 1.9
H2O Solubility: SLIGHT
Viscosity: VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: 0°F / C.C.
Flammable Limits: HEXANE LEL: 1.1% UEL:7.5%

Extinguishing Media:
Foam: Alcohol Foam: X CO2: X
Dry Chemical: X Water Spray: Other:

Special Fire Fighting Procedures:
FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

Unusual Fire and Explosion Hazards:
VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT SOURCES OF IGNITION AND FLASHBACK. PRODUCT MAY PRODUCE A FLOATING FIRE HAZARD AS LIQUID FLOATS ON WATER.

Aerosol Level (NFPA 30B): N/A
NFPA 704 Hazard Rating:
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)
Health: 3 Flammability: 3 Instability: 0 Special:

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:
NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:
-Acute (Short Term Exposure)
SKIN CONTACT: CAUSES IRRITATION SEEN AS ITCHING, REDNESS, DEFATTING, AND DRYING OF THE SKIN. MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS.
EYE CONTACT: CAUSES SEVERE IRRITATION SEEN AS REDNESS, TEARING, AND CORNEAL CLOUDING.

INHALATION: MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. AT LOW VAPOR CONCENTRATIONS, NO HARMFUL EFFECTS ARE EXPECTED. AT HIGH VAPOR CONCENTRATIONS, INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, UNCONCIOUSNESS, LOSS OF COORDINATION, NAUSEA, VOMITING, POSSIBLE ANESTHETIC EFFECTS FROM CENTRAL NERVOUS SYSTEM DEPRESSION, AND MAY BE FATAL.
INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA.

-Chronic (Long Term Exposure)

PROLONGED OR REPEATED OVEREXPOSURE MAY CAUSE AN ENLARGED LIVER, KIDNEY EFFECTS, AND CARDIAC SENSITIZATION. CHRONIC INHALATION OF SOLVENTS LIKE TOLUENE HAVE CAUSED PERMANENT CENTRAL AND PERIPHERAL NERVOUS SYSTEM DAMAGE RESULTING IN DECREASED LEARNING ABILITY. A CONDITION KNOWN AS "PAINTER'S SYNDROME" CAN OCCUR CAUSING A LOSS OF SENSATION IN THE ARMS AND LEGS (PERIPHERAL NEUROPATHY). CHRONIC SKIN CONTACT MAY PROMOTE DERMATITIS AND OIL ACNE.
MEDICAL CONDITIONS AGGRAVATED: PRE-EXISTING NEUROLOGIC CONDITIONS, LIVER AND KIDNEY DISEASES, AND PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS.
TARGET ORGANS: CENTRAL AND PERIPHERAL NERVOUS SYSTEMS, HEART, LIVER, KIDNEYS.

Primary Routes of Entry: Inhalation: X Ingestion: Absorption: X

Emergency and First Aid Procedures:

-Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

-Eye Contact:

IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

-Skin Contact:

IMMEDIATELY WIPE AWAY MATERIAL WITH A CLOTH WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH THOROUGHLY WITH LARGE AMOUNTS OF SOAP AND WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS. DISCARD OR CLEAN CLOTHING AND SHOES.

-Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

-Notes to Physician:

ACUTE MASSIVE EXPOSURE TO TOLUENE CAN CAUSE TRANSIENT HEMATURIA AND ALBUMINURIA. CARDIAC ARRHYTHMIAS CAN OCCUR AFTER MASSIVE INHALATION.

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC: No NTP: No OSHA: No ACGIH: No
OTHER: No

VOC CONTENT: 79% BY WEIGHT; 790 G/L

PRODUCT MIXTURE (ESTIMATED)

ORL-RAT LD50: 232 MG/KG 4.
IHL-RAT LC50: 70 MG/M3/4H 4.

TOLUENE

EYE-RBT SDT: 870 UG MILD 3.
SKN-RBT SDT: 20 MG/24H MODERATE 3.
SKN-RBT LD50: 12.2 G/KG 3.
ORL-HMN LDLo: 50 MG/KG 3.
ORL-RAT LD50: 636 MG/KG 3.
IHL-RAT LC50: 49 GM/M3/4H 3.

HEAVY AROMATIC NAPHTHA

IHL-RAT LC50: 61,000 MG/M3 3.
ORL-RAT LD50: >5 G/KG 3.
SKN-RBT LD50: >3 G/KG 3.
SKN-RBT SDT: 500 UL MODERATE 3.
EYE-RBT SDT: 100 UL MILD 3.

HEXANE

ORL-RAT LD50: 25 GM/KG 3.
IHL-HMN TCLo: 190 PPM/8W 3.
EYE-RBT-SDT: 10 MG MILD 3.

XYLENE

IHL-HMN TCLo: 200 PPM 3.
ORL-HMN LDLo: 50 MG/KG 3.
ORL-RAT LD50: 4300 MG/KG 3.
SKN-RBT LD50: >1700 MG/KG 3.
SKN-RBT SDT: 500 MG/24H MODERATE 3.
EYE-HMN SDT: 200 PPM 3.

XYLENE CAUSES HEARING LOSS, CARDIAC STIMULATION AND ARRHYTHMIA (IRREGULAR HEART BEAT) IN LABORATORY ANIMALS. 4.

SECTION VII - REACTIVITY DATA

Stability: Stable: X Unstable:

Conditions to Avoid: AVOID HEAT, HOT SURFACES, SPARKS AND OPEN FLAMES.

Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; ACIDS.

Hazardous Decomposition Products:

OXIDES OF CARBON AND NITROGEN; ACRYLIC MONOMERS.

Hazardous Polymerization:

May Occur: Will Not Occur: X

Conditions to Avoid: N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

WEAR APPROPRIATE PROTECTIVE CLOTHING. ELIMINATE ALL SOURCES OF IGNITION AND VENTILATE THE AREA. USE ONLY NON-SPARKING EQUIPMENT. USE CARE AS SPILLS MAY BE SLIPPERY. DIKE AND CONTAIN SPILL. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER. FLUSH AREA WITH WATER.

Waste Disposal Method(s):

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

Neutralizing Agent:

N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF VAPORS OR MISTS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

Respiratory Protection:

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACEPIECE RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDGES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND IN PUBLICATION NO. 87-116 OR ANSI Z88.2-1992.

Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

Eye Protection:

CHEMICAL GOGGLES SHOULD BE WORN WHEN HANDLING. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

Other Protection:

WEAR PROTECTIVE CLOTHING WHEN HANDLING. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE.

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors: X Outdoors: Heated:
 Refrigerated:

Minimum Temperature: 0°F Maximum Temperature: 120°F

Precautions to be taken in Handling and Storing:

ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP THE CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAME. EMPTY CONTAINERS MAY CONTAIN PRODUCT

RESIDUES WHICH MAY EXHIBIT THE HAZARDS OF THE PRODUCT. TO AVOID POSSIBLE EXPLOSION DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND OR EXPOSE EMPTY CONTAINERS TO HEAT, HOT SURFACES, SPARKS OR OPEN FLAMES. GROUND AND BOND CONTAINER WHEN HANDLING NEAR FLAMMABLE VAPORS AND ALL SOURCES OF IGNITION.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

SECTION XI - REGULATORY INFORMATION

Chemical Name	CAS Number	Upper % Limit
TOLUENE	108-88-3	65-75

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III and of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

CALIFORNIA PROPOSITION 65

WARNING: This product contains the following chemical(s) know to the State of California to cause (1)Cancer or (2)Birth Defects or other reproductive harm. THIS PRODUCT CONTAINSTOLUENE(2)

SECTION XII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2003.
2. OSHA PEL.
3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWeb, 2003.
4. VENDOR'S MSDS.

ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR OTHERWISE EXEMPTED FROM LISTING.

----IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE, CORR:CORROSIVE
CARC:CARCINOGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED,
COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP, TCC:TAGLIABUE CLOSED CUP,
LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FIRE
PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER,
NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY & HEALTH
ADMINISTRATION, ACGIH:AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS,
TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LIMIT, STEL:SHORT-TERM
EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC,
ASPHYX:ASPHYXIANT, PNOS:PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED,
SDT:STANDARD DRAIZE TEST, ORL:ORAL, IHL:INHALATION, HMN:HUMAN
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