

#787
FEDERAL INTERNATIONAL CHEMICALS
CUSTOMER INVOICE : 2621287

182621287
PAGE 1
38-0001980

MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS, AND RELATED MATERIALS
COMPLIES WITH 29CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)
DATE OF PREP: 3-27-89

MANUFACTURER'S NAME: FEDERAL INTERNATIONAL CHEMICALS

STREET ADDRESS: 882 INDUSTRIAL DRIVE
CITY, STATE, ZIP CODE: ELMHURST, IL 60126

INFORMATION TELEPHONE NO.: 312/941-8715 EMERGENCY TELEPHONE NO.: 800/228-5635
SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: 38 0001980 MATERLESS CLEANER

PRODUCT CLASS: SOLVENT

SECTION II - HAZARDOUS INGREDIENTS

| INGREDIENT | CAS-NO. | % | OCCUPATIONAL EXPOSURE LIMITS | VAPOR PRESSURE |
|---------------------------------|-----------|-----|------------------------------|----------------|
| | | | PPM | TLV |
| ALIPHATIC PETROLEUM DISTILLATES | 8052-41-3 | 100 | 100 | *12 @ 100F |

NE = NOT ESTABLISHED NA = NOT APPLICABLE NK = NOT KNOWN

SECTION III - PHYSICAL DATA

BOILING POINT: 300 °F PH: VAPOR DENSITY: --X--HEAVIER-- LIGHTER THAN AIR

EVAPORATION RATE: ---FASTER -X- SLOWER THAN ETHER % VOLATILE HEIGHT PER BY VOLUME: 100 GALLON: 6.5 LB

APPEARANCE AND ODOR: WATER CLEAR WITH SOLVENT ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA COMBUSTIBLE LIQUID - CLASS II

DOT: COMBUSTIBLE LIQUID FLASH POINT: 104°F

EXTINGUISHING MEDIA: REGULAR FOAM, CARBON DIOXIDE, WATER FOG OR DRY CHEMICAL.

UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES AND IGNITION SOURCES AT LOCATIONS AND DISTANT FROM MATERIAL HANDLING POINT. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE (DUE TO BUILD-UP OF PRESSURE) WHEN EXPOSED TO EXTREME HEAT.

SPECIAL FIREFIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED UNDER POSITIVE PRESSURE. WATER MAY BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

SECTION V - HEALTH HAZARD DATA
PERMISSIBLE EXPOSURE LEVEL - SEE SECTION II

FEDERAL INTERNATIONAL CHEMICALS

182621287
PAGE 2
38-0001980

THRESHOLD LIMIT VALUE - SEE SECTION II

EFFECTS OF OVEREXPOSURE: ACUTE: EYES: CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION. SKIN: PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION AND DERMATITIS. BREATHING: CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, AND NAUSEA. ASPIRATION INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL. INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE VAPORS MAY BE HARMFUL OR FATAL.

CHRONIC EXPOSURE: SOLVENTS HAVE BEEN REPORTED TO CAUSE PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE WITH POSSIBLE LIVER AND KIDNEY DAMAGE. RESPIRATORY AND SKIN SENSITIZATION.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: DERMATITIS, ALLERGIC RESPONSES, DISEASES OF SKIN AND LUNGS.

PRIMARY ROUTE(S) OF ENTRY: --X-- DERMAL --X-- INHALATION --X-- INGESTION
EMERGENCY AND FIRST AID PROCEDURES: SKIN: WASH WITH SOAP AND WATER. EYES: FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. INHALATION: IF AFFECTED BY VAPORS OR SPRAY MIST, REMOVE TO FRESH AIR. IF IN A COMA OR BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. IN EITHER CASE GET MEDICAL ATTENTION IMMEDIATELY. KEEP PERSON WARM AND QUIET. INGESTION: DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION IMMEDIATELY.

REMOVE CONTAMINATED CLOTHING AND SHOES.

SECTION VI - REACTIVITY DATA

STABILITY: ---UNSTABLE ---X-- STABLE

HAZARDOUS POLYMERIZATION: ---MAY OCCUR ---X-- WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, VARIOUS HYDROCARBON COMPOUNDS.

CONDITIONS TO AVOID: HIGH TEMPERATURES, HOT SURFACES, ELECTRIC ARCS.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS (E.G. NITRIC ACID, PERMANGANATES, ETC.)

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CONTAIN SPILL, SOAK UP WITH RAGS, SAND, FLOOR ABSORBENT. ELIMINATE ALL SOURCES OF IGNITION (FLAME, SPARKS, ETC.). EXCLUDE FROM AREA PERSONS WITHOUT PROTECTIVE EQUIPMENT. USE NON-SPARKING TOOLS.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. USE LICENSED HAZARDOUS WASTE DISPOSAL COMPANY.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: IF PEL OR TLV IS EXCEEDED, USE NIOSH/MSHA RESPIRATOR TC25C OR EQUIVALENT.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW PEL OR TLV. FOLLOW OSHA 29CFR PART 1910.94.

PROTECTIVE GLOVES: NEOPRENE OR NITRILE RUBBER.
EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS. USE PROTECTIVE CREAM IF SKIN CONTACT IS LIKELY.
HYGIENE PRACTICES: WASH HANDS BEFORE EATING OR SMOKING. DO NOT CONSUME FOOD OR BEVERAGE WHILE USING THIS PRODUCT.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE AWAY FROM HEAT, SPARKS, AND FLAME. KEEP CONTAINERS TIGHTLY CLOSED.

OTHER PRECAUTIONS: DO NOT REUSE CONTAINER. EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUE. KEEP AWAY FROM HEAT, SPARKS AND FLAME. DO NOT CUT, PUNCTURE OR MELD ON OR NEAR CONTAINER. PREVENT BREATHING OF VAPOR OR SPRAY MIST.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH MANUFACTURER OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.