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PAGE 1

Q200 CLEANING FLUID
MATERIAL SAFETY DATA SHEET

PREPARED BY MARCO PRODUCTS, INC. CRESTWOOD, IL 60445

HEALTH EMERGENCIES: CALL LOS ANGELES POISON INFORMATION CENTER 213-664-2121

ATTN: PURCHASING/SAFETY DEPT.

REVISED 10/90

IF MARCO PRODUCTS, INC. CONSIDERS THE FORMULA OF THIS PRODUCT TO BE A TRADE SECRET, THE EXACT CHEMICAL NAMES OF THE INGREDIENT(S) AND THE PERCENTAGES IN WHICH THEY ARE COMBINED WILL NOT APPEAR IN THE BODY OF THIS SHEET. THE EXACT COMPOSITION IS AVAILABLE UPON REQUEST TO PHYSICIANS, INDUSTRIAL HYGIENISTS AND OTHER HEALTH PROFESSIONALS.

***** SECTION I-PRODUCT IDENTIFICATION *****

GENERAL OR GENERIC ID: CHLORINATED & ALIPHATIC HYDROCARBON MIXTURE
HAZARD CLASSIFICATION: NOT APPLICABLE

***** SECTION II-HAZARDOUS COMPONENTS *****

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>TLV</u>
CHLORINATED HYDROCARBON CAS #71-55-6	62.96	350 PPM
CAS #124-18-4 ALIPHATIC HYDROCARBON CAS #64742-89-8	37.04	500 PPM

***** SECTION III-PHYSICAL DATA *****

<u>PROPERTY</u>	<u>REFINEMENT</u>	<u>MEASUREMENT</u>
INITIAL BOILING POINT	FOR PRODUCT	222 DEG F. @ 760 MM
VAPOR PRESSURE	FOR PRODUCT	80 DEG F. @ 54 MM
VAPOR DENSITY	AIR = 1	N/A
SPECIFIC GRAVITY		1.12 @ 60 DEG F.
PERCENT VOLATILES		100 %
EVAPORATION RATE		N/A

***** SECTION IV-FIRE AND EXPLOSION DATA *****

FLASH POINT (CLOSED CUP) NOT APPLICABLE
LOWER EXPLOSIVE LIMIT (PRODUCT) NOT APPLICABLE
HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS:, CARBON DIOXIDE AND CARBON MONOXIDE, HYDROGEN CHLORIDE, PHOSGENE.
SPECIAL FIREFIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.

UNUSUAL FIRE & EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

NFPA HAZARD CLASS HEALTH HAZARD: 2 FLAMMABILITY: 0 REACTIVITY: 0

***** SECITON V-HEALTH HAZARD DATA *****

THRESHOLD LIMIT VALUE:
EFFECTS OF OVEREXPOSURE: FOR PRODUCT

EYES - CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.
SKIN - PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS.
BREATHING - EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIATION.
SWALLOWING -CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

FIRST AID:

IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE.
IF IN EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION. IF PHYSICIAN IS NOT IMMEDIATELY AVAILABLE, CONTINUE FLUSHING WITH WATER. DO NOT USE CHEMICAL ANTIDOTE.
IF SWALLOWED: DO NOT INDUCE VOMITING, KEEP PERSON WARM & GET MEDICAL ATTENTION. ASPIRATION OF MATERIAL INTO THE LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL
IF BREATHED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

CONTINUED ON PAGE: 3

***** SECTION VI-REACTIVITY DATA *****

HAZARDOUS POLYMERIZATION: CANNOT OCCUR
STABILITY: STABLE
INCOMPATIBILITY: AVOID CONTACT WITH: , STRONG OXIDIZING AGENTS

***** SECTION VII-SPILL OR LEAK PROCEDURES *****

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

SMALL SPILL: ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR OTHER
ABSORBENT MATERIAL AND TRANSFER TO HOOD.

LARGE SPILL: PREVENT RUN-OFF TO SEWERS, STREAMS OR OTHER BODIES OF WATER. IF
RUN-OFF OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED THAT A SPILL HAS
OCCURRED. PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM
AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE,
DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK.
REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR
OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.

WASTE DISPOSAL METHOD:

SMALL SPILL: ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. ALLOW SUFFICIENT TIME
FOR VAPORS TO COMPLETELY CLEAR HOOD DUCT WORK. DISPOSE OF REMAINING
MATERIAL IN ACCORDANCE WITH APPLICABLE REGULATIONS.

LARGE SPILL: DESTROY BY LIQUID INCINERATION WITH OFF-GAS SCRUBBER. CONTAMINATED
ABSORBENT MAY BE DEPOSITED IN A LANDFILL IN ACCORDANCE WITH LOCAL, STATE,
AND FEDERAL REGULATIONS.

***** SECTION VIII-PROTECTIVE EQUIPMENT TO BE USED *****

RESPIRATORY PROTECTION: IF TLV OF THE PRODUCT OR ANY COMPONENT IS EXCEEDED, A
NIOSH/MESA JOINTLY APPROVED SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE
PIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE IS ADVISED;
HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MESA RESPIRATORS UNDER
SPECIFIED CONDITIONS. SEE YOUR SAFETY EQUIPMENT SUPPLIER. ENGINEERING OR
ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL, GENERAL AND/OR LOCAL EXHAUST,
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS: , NEOPRENE, BUNA-N, POLYVNYL
CHLORIDE, POLYETHYLENE.

EYE PROTECTION: CHEMICAL SPLASH GOGGLES AND FACE SHIELD (8" MIN.) IN COMPLIANCE
WITH OSHA REGULATIONS ARE ADVISED; HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER
TYPE SAFETY GLASSES. CONSULT YOUR SAFETY EQUIPMENT SUPPLIER.

OTHER PROTECTIVE EQUIPMENT: TO PREVENT SKIN CONTACT, WEAR IMPERVIOUS CLOTHING
AND BOOTS.

***** SECTION IX-SPECIAL PRECAUTIONS OR OTHER COMMENTS *****

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, VAPOR, LIQUID, AND/OR SOLID, ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

THIS SUBSTANCE HAS NOT BEEN IDENTIFIED AS A CARCINOGEN OR PROBABLE CARCINOGEN TO NTP, IARC OR OSHA. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. PRE-EXISTING HEART DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

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LAST PAGE-----LAST PAGE