

## **MAC'S BRAKE & ELECTRICAL MOTOR CLEANER 4700**

### **MSDS Number**

CGDWX

### **National Stock Number**

6850-00-000-0247

### **Product Name**

MAC'S BRAKE & ELECTRICAL MOTOR CLEANER 4700

### **Manufacturer**

VALVOLINE INC

### **Product Identification**

Product ID:MAC'S BRAKE & ELECTRICAL MOTOR CLEANER 4700

MSDS Date:10/06/1989

FSC:6850

NIIN:00-000-0247

Kit Part:Y

MSDS Number: CGDWX

### **Responsible Party**

VALVOLINE INC

LEXINGTON , KY 40512

US

Emergency Phone: 606-264-7000

Info Phone: 606-264-7000

Cage: GO029

### **Contractor**

VALVOLINE OIL CO

14000

LEXINGTON, KY 40512

US

606-357-7206 / 800-274-5263

Cage: 72527

### **Ingredients**

CARBON DIOXIDE

CAS: 124-38-9

RTECS: FF6400000

Fraction By Weight: 1-5%

OSHA PEL5000 PPM

ACGIH TLV: 5000PPM/30000STEL;96

METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA 313)

CAS: 71-55-6

RTECS: KJ2975000

Fraction By Weight: 58%

OSHA PEL350 PPM

ACGIH TLV: 350 PPM/450STEL;9596

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA 313) (CERCLA)

CAS: 127-18-4

RTECS: KX3850000

Fraction By Weight: 39%

OSHA PEL100 PPM, Z-2

ACGIH TLV: 25PPM/100STEL,A3; 96

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES-CAN CAUSE SEVERE IRRITATION.

SKIN-PROLONGED OR REPEATED SKIN CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS. BREATHING-CAN CAUSE NASAL & RESPIRATORY IRRITATION, CENTRAL NERVOUS SYSTEM EFFECTS.

SWALLOWING-CAN CAUSE GASTROINTESTINAL IRRITATION.

Explanation of Carcinogenicity:PERCHLOROETHYLENE HAS BEEN SHOWN TO CAUSE CANCER IN LAB ANIMALS. IT HAS BEEN LISTED AS A POSSIBLE CARCINOGEN BY IARC,NTP

Effects of Overexposure:EYE-REDNESS, TEARING, BLURRED VISION.

BREATHING-DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE & POSSIBLY UNCONSCIOUSNESS & EVEN DEATH. SWALLOWING-CAN CAUSE NAUSEA, VOMITING AND DIARRHEA.

Medical Condition Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:SKIN-THOROUGHLY WASH EXPOSED AREA WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHES. EYES-FLUSH WITH LARGE AMOUNTS OF WATER, GET MEDICAL ATTENTION. SWALLOWED-DO NOT INDUCE VOMITING, IMMEDIATELY DRINK 2 GLASSES OF WATER. CALL A PHYSICIAN OR TRANSPORT TO AN EMERGENCY FACILITY. BREATHE-REMOVE TO FRESH AIR. IF BREATHING IS HARD, GIVE OXYGEN. IF BREATHING HAS STOPPED, PERFORM CPR. KEEP WARM. SEE DOCTOR.

## Fire Fighting

Extinguishing Media:REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL.

Fire Fighting Procedures:WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL FIRE IS OUT. WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE MODE.

Unusual Fire/Explosion Hazard:MAY FORM TOXIC MATERIALS: CARBON DIOXIDE AND CARBON MONOXIDE, HYDROGEN CHLORIDE, PHOSGENE, ETC.

## Accidental Release

Spill Release Procedures:ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:STORE IN COOL, DRY PLACE.

Other Precautions:NONE

## Exposure Controls

Respiratory Protection:A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROLS. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE

PRESSURE TYPE) UNDER SPECIFIC CONDITIONS.

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

Protective Gloves:RESISTANT GLOVES, PVC ALCOHOL, VITON.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:AS APPOROIPIATE.

Work Hygienic Practices:WASH THOROUGHJLY AFTER HANDLING.

Supplemental Safety and Health

DOT HAZARD CLASSIFICATION: NON-FLAMMABLE COMPRESSED GAS.

## Chemical Properties

HCC:G3

Boiling Pt:B.P. Text:161F,72C

Vapor Pres:100 MMHG

Vapor Density:>AIR

Spec Gravity:1.4-1.440

Evaporation Rate & Reference:SLOWER THAN ETHER

Appearance and Odor:LIQUID. HOMOGENOUS SOLUTION.

## Stability

Stability Indicator/Materials to Avoid:YES

REACTIVE METALS SUCH AS ALUMINUM AND MAGNESIUM.

Stability Condition to Avoid:AVOID CONTACT WITH EXCESSIVE HEA,  
TEMPERATURES OVER 120F, OPEN FLAMES, WELDING ARCS, RESISTANCE  
HEATERS, ETC.

Hazardous Decomposition Products:RELEASING HYDROGEN CHLORIDE AND SMALL  
AMOUNTS OF PHOSGENE AND CHLORINE.

## Disposal

Waste Disposal Methods:ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD.  
ALLOW SUFFICIENT TIME FOR VAPOR TO COMPLETELY CLEAR HOOD DUCT WORK.  
DISPOSE OF REMAINING MATERIAL IN ACCORDANCE WITH APPLICABLE  
REGULATIONS. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE & FEDERAL  
REGULATION.

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