

CARB Cleaner

72-62-7925-11
MATERIAL SAFETY
DATA SHEET



VALVOLINE OIL COMPANY
DIVISION OF ASHLAND OIL, INC.
P.O. BOX 391
ASHLAND, KENTUCKY 41114
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24-HOUR
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000140

#8700

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THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

Product Name: #8700

LINDA M. CASEY
ASHLAND PETROLEUM COMPANY
ENV. & HEALTH AFFAIRS
BL-M
INTER-COMPANY

06 68 101 9135921-726

PRODUCT:
INVOICE: REGST
INVOICE DATE: 10/19/88
TO:

Data Sheet No: 0175961-004
Prepared: 08/17/88
Supersedes: 05/25/88

SECTION I-PRODUCT IDENTIFICATION

General or Generic ID: MIXTURE-SOLVENTS
DOT Hazard Classification: FLAMMABLE COMPRESSED GAS (173.300)

SECTION II-COMPONENTS

THE COMPOSITION OF THIS PRODUCT IS BEING WITHHELD AS A TRADE SECRET.
IF PRESENT, IARC, NTP AND OSHA CARCINOGENS ARE IDENTIFIED IN THIS SECTION
SEE DEFINITION PAGE FOR CLARIFICATION

INGREDIENT	% (by VOL)	PEL	TLV	Note
PROPANE CAS #: 74-98-6	25-30			(1)
TOLUENE CAS #: 108-88-3	30-35	200 PPM	100 PPM	(2)
METHYL ALCOHOL CAS #: 67-56-1	20-25	200 PPM - SKIN	200 PPM - SKIN	(3)
ACETONE CAS #: 67-64-1	10-15	1000 PPM	750 PPM	(4)
DIACETONE ALCOHOL CAS #: 123-42-2	1-5	50 PPM	50 PPM	(5)

Notes:

- (1) PEL/TLV NOT ESTABLISHED. PRODUCT IS A SIMPLE ASPHYXIANT.
- (2) ACGIH - SHORT TERM EXPOSURE LIMIT (STEL) FOR TOLUENE IS 150 PPM. THE OSHA ACCEPTABLE CEILING CONCENTRATION IS 300 PPM. THE ACCEPTABLE MAXIMUM PEAK ABOVE THE ACCEPTANCE CEILING CONCENTRATION FOR AN 8-HOUR SHIFT IS 500 PPM FOR A MAXIMUM DURATION OF 10 MINUTES. NIOSH RECOMMENDS A LIMIT OF 100 PPM, 8-HOUR TMA; 200 PPM 10 MINUTE CEILING.
- (3) SKIN ABSORPTION MAY POTENTIALLY CONTRIBUTE TO THE OVERALL EXPOSURE TO THIS MATERIAL. APPROPRIATE MEASURES SHOULD BE TAKEN TO PREVENT ABSORPTION SO THAT THE TLV IS NOT INVALIDATED.
ACGIH - SHORT TERM EXPOSURE LIMIT (STEL) FOR METHYL ALCOHOL IS 250 PPM. NIOSH RECOMMENDS A LIMIT OF 200 PPM, 8-HOUR TMA; 800 PPM 15 MINUTE CEILING.
- (4) ACGIH - SHORT TERM EXPOSURE LIMIT (STEL) FOR ACETONE IS 1000 PPM. NIOSH RECOMMENDS A LIMIT OF 250 PPM, 8-HOUR TMA.
- (5) ACGIH - SHORT TERM EXPOSURE LIMIT (STEL) FOR DIACETONE ALCOHOL IS 75 PPM. NIOSH RECOMMENDS A LIMIT OF 50 PPM, 8-HOUR TMA.

SECTION III-PHYSICAL DATA

Boiling Point	for COMPONENT(25-30%)	-45.00 Deg F (-42.77 Deg C) @ 760.00 mm Hg
Vapor Pressure	for COMPONENT(30-35%)	22.00 mm Hg (68.00 Deg F) (20.00 Deg C)
Specific Vapor Density		HEAVIER THAN AIR
Specific Gravity		.840 (68.00 Deg F) (20.00 Deg C)
Percent Volatiles		100.00%
Evaporation Rate		SLOWER THAN ETHER
Appearance		CLEAR COLORLESS
State		LIQUID
Form		HOMOGENEOUS SOLUTION

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SECTION IV-FIRE AND EXPLOSION INFORMATION

FLASH POINT < 20 Deg F (< -7 Deg C)
EXPLOSIVE LIMIT (LOWEST VALUE OF COMPONENT) LOWER - 1.2%
EXTINGUISHING MEDIA: REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL
HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS; CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.
FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.
SPECIAL FIRE & EXPLOSION HAZARDS: ALL FIVE GALLON PAILS AND LARGER METAL CONTAINERS INCLUDING TANK CARS AND TANK TRUCKS SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED.
NFPA CODES: HEALTH- 2 FLAMMABILITY- 4 REACTIVITY- 0

SECTION V-HEALTH HAZARD DATA

EFFECTS OF ACUTE OVEREXPOSURE: FOR PRODUCT

EYES: MAY CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.
SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS.
BREATHING: EXCESSIVE INHALATION OF VAPORS MAY CAUSE NASAL AND RESPIRATORY IRRITATION, CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE AND POSSIBLE UNCONSCIOUSNESS AND EVEN ASPHYXIATION.
SWALLOWING: MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGS MAY CAUSE CHEMICAL PNEUMONIA WHICH MAY BE FATAL.

FIRST AID:

IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER.
IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION.
IF SWALLOWED: DO NOT INDUCE VOMITING, KEEP PERSON WARM, QUIET, AND 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.

PRIMARY ROUTE(S) OF ENTRY:

INHALATION, SKIN CONTACT, SKIN ABSORPTION

EFFECTS OF CHRONIC OVEREXPOSURE: FOR PRODUCT

OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: LIVER ABNORMALITIES, KIDNEY DAMAGE, ANEMIA, LUNG DAMAGE, EYE DAMAGE, BRAIN DAMAGE, SPLEEN DAMAGE, NERVOUS SYSTEM DAMAGE

OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: LIVER ABNORMALITIES, EYE DAMAGE

SECTION VI-REACTIVITY DATA

HAZARDOUS POLYMERIZATION: CANNOT OCCUR

STABILITY: STABLE -- AVOID HEAT, OPEN FLAME, AND PROLONGED STORAGE AT ELEVATED TEMPERATURES.

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: ALLOW TO EVAPORATE.

LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). 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:

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

SECTION VIII-PROTECTIVE EQUIPMENT TO BE USED

RESPIRATORY PROTECTION: IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE SECTION II), A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) 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

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

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SECTION VIII-PROTECTIVE EQUIPMENT TO BE USED (Continued)

OTHER PROTECTIVE EQUIPMENT: NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.

SECTION IX-SPECIAL PRECAUTIONS OR OTHER COMMENTS

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS DATASHEET MUST BE OBSERVED.

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