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MSDS

Common Name: VALVOLINE ATF +4

Manufacturer: ASHLAND CHEMICAL

MSDS Revision Date: 7/11/2007

Grainger Item Number(s): 1UCB4

Manufacturer Model Number(s):

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ASHLAND (R*)

SAFETY DATA SHEET

VALVOLINE (R*) ATF +4 503342

REVISION DATE: 07/11/2007

PRINT DATE: 7/30/2007

MSDS NUMBER: R0382635

VERSION: 1.7

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION



AND OF THE COMPANY/UNDERTAKING

ASHLAND
P.O. BOX 2219
COLUMBUS, OH 43216

REGULATORY INFORMATION NUMBER: 1-800-325-3751

TELEPHONE: 614-790-3333

EMERGENCY TELEPHONE NUMBER:

1-800-ASHLAND
(1-800-274-5263)

PRODUCT NAME: VALVOLINE(R*) ATF +4

PRODUCT CODE: 503342

PRODUCT USE DESCRIPTION: NO DATA

2. HAZARDS IDENTIFICATION



EMERGENCY OVERVIEW:

APPEARANCE: LIQUID, RED

CAUTION!

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE IRRITATION AND BURNS.

POTENTIAL HEALTH EFFECTS:

ROUTES OF EXPOSURE: NO DATA

EYE CONTACT: UNLIKELY TO CAUSE EYE IRRITATION OR INJURY.

SKIN CONTACT:

MAY CAUSE MILD SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN. SYMPTOMS MAY INCLUDE REDNESS, BURNING, DRYING AND CRACKING OF SKIN, AND SKIN BURNS.

INGESTION:

SWALLOWING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL.

INHALATION:

IT IS POSSIBLE TO BREATHE THIS MATERIAL UNDER CERTAIN CONDITIONS OF HANDLING AND USE (FOR EXAMPLE, DURING HEATING, SPRAYING, OR STIRRING). SYMPTOMS ARE NOT EXPECTED AT AIR CONCENTRATIONS BELOW THE RECOMMENDED EXPOSURE LIMITS, IF APPLICABLE (SEE SECTION 8.).

AGGRAVATED MEDICAL CONDITION:

PREEXISTING DISORDERS OF THE FOLLOWING ORGANS (OR ORGAN SYSTEMS) MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL:
SKIN

SYMPTOMS:

SIGNS AND SYMPTOMS OF EXPOSURE TO THIS MATERIAL THROUGH BREATHING, SWALLOWING AND/OR PASSAGE OF THE MATERIAL THROUGH THE SKIN MAY INCLUDE: STOMACH OR INTESTINAL UPSET (NAUSEA, VOMITING, DIARRHEA), IRRITATION (NOSE, THROAT, AIRWAYS), PAIN IN THE ABDOMEN

TARGET ORGANS: NO DATA

CARCINOGENICITY: NO DATA

REPRODUCTIVE HAZARD: NO DATA

OTHER INFORMATION: NO DATA

3. COMPOSITION/INFORMATION ON INGREDIENTS



COMPONENTS	CAS-NO.	CONCENTRATION
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DISTILLATES (PETROLEUM),
HYDROTREATED HEAVY PARAFFINIC

64742-54-7

>/=60 - <100%



4. FIRST AID MEASURES

EYES:

IF SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. FLUSH EYES GENTLY WITH WATER WHILE HOLDING EYELIDS APART. IF SYMPTOMS PERSIST OR THERE IS ANY VISUAL DIFFICULTY, SEEK MEDICAL ATTENTION.

SKIN:

REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP AND WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. LAUNDRER CLOTHING BEFORE REUSE.

INGESTION:

DO NOT INDUCE VOMITING. GIVE ONE GLASS OF MILK OR WATER, AND GET MEDICAL ATTENTION IMMEDIATELY. IF POSSIBLE, DO NOT LEAVE VICTIM UNATTENDED.

INHALATION:

IF SYMPTOMS DEVELOP, IMMEDIATELY MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. SEEK IMMEDIATE MEDICAL ATTENTION; KEEP PERSON WARM AND QUIET. IF PERSON IS NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN.

NOTES TO PHYSICIAN:

HAZARDS: NO INFORMATION AVAILABLE.
TREATMENT: NO INFORMATION AVAILABLE.



5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE (CO₂), DRY CHEMICAL

HAZARDOUS COMBUSTION PRODUCTS:

MAY FORM:

CARBON DIOXIDE AND CARBON MONOXIDE, OXIDES OF SULFUR, NITROGEN AND PHOSPHORUS, VARIOUS HYDROCARBONS

PRECAUTIONS FOR FIRE-FIGHTING:

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY. WEAR FULL FIREFIGHTING TURN-OUT GEAR (FULL BUNKER GEAR), AND RESPIRATORY PROTECTION (SCBA). DO NOT DIRECT A SOLID STREAM OF WATER OR FOAM INTO HOT, BURNING POOLS OF LIQUID SINCE THIS MAY CAUSE FROTHING AND INCREASE FIRE INTENSITY. FROTHING CAN BE VIOLENT AND POSSIBLY ENDANGER ANY FIREFIGHTER STANDING TOO CLOSE TO THE BURNING LIQUID.

FLAMMABILITY CLASS FOR FLAMMABLE LIQUIDS: COMBUSTIBLE LIQUID CLASS IIIB



6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

FOR PERSONAL PROTECTION SEE SECTION 8. PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED.

ENVIRONMENTAL PRECAUTIONS:

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.

METHODS FOR CLEANING UP:

ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL.

7. HANDLING AND STORAGE



HANDLING:
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 THE DATA SHEET MUST BE OBSERVED.

STORAGE: STORE IN A COOL, DRY, VENTILATED AREA.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION



EXPOSURE GUIDELINES:

GENERAL ADVICE:

THESE RECOMMENDATIONS PROVIDE GENERAL GUIDANCE FOR HANDLING THIS PRODUCT.

PERSONAL PROTECTIVE EQUIPMENT SHOULD BE SELECTED FOR INDIVIDUAL APPLICATIONS AND SHOULD CONSIDER FACTORS WHICH AFFECT EXPOSURE POTENTIAL, SUCH AS HANDLING PRACTICES, CHEMICAL CONCENTRATIONS AND VENTILATION. IT IS ULTIMATELY THE RESPONSIBILITY OF THE EMPLOYER TO FOLLOW REGULATORY GUIDELINES ESTABLISHED BY LOCAL AUTHORITIES.

EXPOSURE CONTROLS:
NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. HOWEVER, IF UNUSUAL OPERATING CONDITIONS EXIST, THEN PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW PEL/TLV(S).

EYE PROTECTION:
NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. HOWEVER, IF MISTING OR SPLASHING CONDITIONS EXIST, THEN SAFETY GLASSES OR CHEMICAL SPLASH GOGGLES ARE ADVISED.

SKIN AND BODY PROTECTION:
NOT NORMALLY REQUIRED. HOWEVER, WEAR RESISTANT GLOVES SUCH AS NITRILE RUBBER TO PREVENT IRRITATION WHICH MAY RESULT FROM PROLONGED OR REPEATED SKIN CONTACT WITH PRODUCT. WEAR NORMAL WORK CLOTHING COVERING ARMS AND LEGS.

RESPIRATORY PROTECTION:
NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. HOWEVER, IF OIL MISTS ARE GENERATED ABOVE RECOMMENDED PEL/TLV OF 5 MG/M3, THEN A NIOSH-APPROVED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. (SEE YOUR INDUSTRIAL HYGIENIST.)

9. PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: LIQUID

FORM: LIQUID

COLOR: RED

ODOR: NO DATA

BOILING POINT/RANGE: NO DATA

pH: NO DATA

FLASH POINT: >392.2 DEG. F / >200.1 DEG. C

EVAPORATION RATE: NO DATA

EXPLOSION LIMITS: NO DATA

VAPOR PRESSURE: NO DATA

VAPOR DENSITY: NO DATA

DENSITY:

0.8508 G/CM3 @ 60.01 DEG. F / 15.56 DEG. C

7.11 LB/GAL 7.11 LB/GAL @ 60.00 DEG. F

15.56 DEG. C 60.1 DEG. F / 15.6 DEG. C

SOLUBILITY: NO DATA

PARTITION COEFFICIENT (n-OCTANOL/WATER): NO DATA

AUTOIGNITION TEMPERATURE: NO DATA

10. STABILITY AND REACTIVITY

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STABILITY: STABLE

CONDITIONS TO AVOID:

INCOMPATIBLE PRODUCTS:

AVOID CONTACT WITH: STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS:

MAY FORM:

CARBON DIOXIDE AND CARBON MONOXIDE, OXIDES OF SULFUR, NITROGEN AND PHOSPHORUS, VARIOUS HYDROCARBONS

HAZARDOUS REACTIONS: PRODUCT WILL NOT UNDERGO HAZARDOUS POLYMERIZATION.

THERMAL DECOMPOSITION: NO DATA

11. TOXICOLOGICAL INFORMATION

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ACUTE ORAL TOXICITY:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:
LD50 RAT: 15 G/KG

ACUTE INHALATION TOXICITY:

ACUTE DERMAL TOXICITY:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:
LD50 RABBIT: 5 G/KG

12. ECOLOGICAL INFORMATION

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AQUATIC TOXICITY:

ACUTE AND PROLONGED TOXICITY TO FISH: NO DATA

ACUTE TOXICITY TO AQUATIC INVERTEBRATES: NO DATA

ENVIRONMENTAL FATE AND PATHWAYS: NO DATA

13. DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHODS:
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. FOR ASSISTANCE WITH YOUR WASTE MANAGEMENT NEEDS - INCLUDING DISPOSAL, RECYCLING AND WASTE STREAM REDUCTION, CONTACT ASHLAND DISTRIBUTION'S ENVIRONMENTAL SERVICES GROUP AT 800-637-7922.

14. TRANSPORT INFORMATION

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DANGEROUS GOODS DESCRIPTIONS (IF INDICATED ABOVE) MAY NOT REFLECT PACKAGE SIZE, QUANTITY, END-USE OR REGION-SPECIFIC EXCEPTIONS THAT CAN BE APPLIED. CONSULT SHIPPING DOCUMENTS FOR DESCRIPTIONS THAT ARE SPECIFIC TO THE SHIPMENT.

15. REGULATORY INFORMATION

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SARA HAZARD CLASSIFICATION:
FIRE HAZARD
ACUTE HEALTH HAZARD

SARA 313 COMPONENT(S):

OSHA HAZARDS:
COMBUSTIBLE LIQUID
MODERATE SKIN IRRITANT

HMIS NFPA

HEALTH	1*	1
FLAMMABILITY	1	1
REACTIVITY	0	0
OTHER		

16. OTHER INFORMATION

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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. THIS MSDS HAS BEEN PREPARED BY ASHLAND'S ENVIRONMENTAL HEALTH AND SAFETY DEPARTMENT (1-800-325-3751).