DPM 510
PD-640

MATERIAL SAFETY DATA SHEET
ACCEPTED BY O.S.H.A. AS ESSENTIALLY SIMILIAR TO O.S.H.A. FORM 20
HLAND CHEMICAL CO,ENVIRONMENTAL&OCCUPATIONAL SAFETY DEPT,BOX 2219,COLUMBUS,OH43216
24-HOUR EMERGENCY TELEPHONE: 606-324-1133 (LOCATED AT ASHLAND, KENTUCKY)

****

HLAND PRODUCT NAME: MINERAL SPIRITS NONEXEMPT

SPERRY RAND CORP
VICKERS AEROSPACE DIV
5353 HIGHLAND DRIVE
JACKSON MISS 39206

05 50 086 8427740-
DATA SHEET NO: 0000589-002
LATEST REVISION DATE: 03/81-81084
PRODUCT: 2516000
INVOICE: 778819
INVOICE DATE: 02/10/81
TO: SAME

ATTN: PURCHASING/SAFETY DEPT.

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

NERAL OR GENERIC ID: ALIPHATIC HYDROCARBON

ZARD CLASSIFICATION: (10) COMBUSTIBLE (173.115)

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

INGREDIENT	PERCENT	TLV	*
NERAL SPIRITS	100.00%	500 PPM	(1)

1): NIOSH RECOMMENDS A TLV OF 350 MG/CUM.

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

PROPERTY	REFINEMENT	MEASUREMENT
ITIAL BOILING POINT	FOR PRODUCT	300.00 DEG F (148.88 DEG C) @ 760.00 MMHG
POR PRESSURE	FOR PRODUCT	2.00 MMHG @ 68.00 DEG F (20.00 DEG C)
POR DENSITY	AIR = 1	4.9
ECIFIC GRAVITY		.780 @ 60.00 DEG F (15.55 DEG C)
RCENT VOLATILES		100.00 %
APORATION RATE	(ETHER = 1)	70.00

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

SH POINT(CLOSED CUP) 100.00 DEG F
(37.77 DEG C)

ER EXPLOSIVE LIMIT (PRODUCT) 1.0 %

INGUISHING MEDIA: REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL

ARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS:, CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

CIAL FIREFIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.

USUAL FIRE & EXPLOSION HAZARDS: NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

********** SECTION V-HEALTH HAZARD DATA **********

RESHOLD LIMIT VALUE: 500 PPM

ECTS OF OVEREXPOSURE: FOR PRODUCT

ES - CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.
IN - PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS.
EATHING - EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIATION.
ALLOWING - CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

RST AID:

ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE.

IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION.

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.

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.

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

:ARDOUS POLYMERIZATION: CANNOT OCCUR
:BILITY: STABLE

:OMPATABILITY: AVOID CONTACT WITH:, STRONG OXIDIZING AGENTS.

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

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

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

:GE 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. PREVENT RUN-OFF TO SEWERS, STREAMS, OR OTHER BODIES OF WATER.

:TE DISPOSAL METHOD:

:LL SPILL: ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. ALLOW SUFFICIENT TIME FOR VAPORS TO COMPLETELY CLEAR HOOD DUCT WORK. DESTROY REMAINING MATERIAL BY BURNING IN AN IRON PAN.

:GE SPILL: DESTROY BY LIQUID INCINERATION.
CONTAMINATED ABSORBENT MAY BE DEPOSITED IN A LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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

:SPIRATORY PROTECTION: IF TLV OF THE PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS. (SEE YOUR SAFETY EQUIPMENT SUPPLIER). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

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

:OTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS:, BUNA-N

:E 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)

:HER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

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

TAINERS 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 DATA SHEET MUST BE OBSERVED.

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

LAST PAGE--SEE ATTACHMENT PAGE ENCLOSED--LAST PAGE