



chemists helping chemists in research & industry

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M A T E R I A L S A F E T Y D A T A S H E E T

PAGE 1

SECTION 1. - - - - - CHEMICAL IDENTIFICATION - - - - -

CATALOG #: 26256-0
NAME: MINERAL SPIRITS, ODORLESS

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 8020-83-5

SYNONYMS

ADEPSINE OIL * ALBOLINE * BAYOL 55 * BAYOL F * BLANDLUBE * CRYSTOL
325 * CRYSTOSOL * GLYMOL * KONDREMUL * LIQUID PARAFFIN * NEO-CULTOL *
NUJOL * OIL MIST, MINERAL (ACGIH:OSHA) * PARAFFIN OIL * PAROLEINE *
PETROGALAR * PRIMOL 355 * PRIMOL D * SAXOL * USP MINERAL OIL *

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

IRRITANT
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
COMBUSTIBLE.
KEEP AWAY FROM HEAT AND OPEN FLAME.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE
PROTECTION.

SECTION 4. - - - - - FIRST-AID MEASURES - - - - -

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS
AMOUNTS OF WATER.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA

WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

CONTINUED ON NEXT PAGE

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PAGE 2

CATALOG #: 26256-0
NAME: MINERAL SPIRITS, ODORLESS

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
COMBUSTIBLE LIQUID.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS
VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK.
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES - - - - -

EVACUATE AREA.
SHUT OFF ALL SOURCES OF IGNITION.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
COVER WITH DRY-LIME, SAND, OR SODA ASH. PLACE IN COVERED CONTAINERS USING NON-SPARKING TOOLS AND TRANSPORT OUTDOORS.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - HANDLING AND STORAGE - - - - -

REFER TO SECTION 8.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
DO NOT BREATHE VAPOR.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
IRRITANT.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM HEAT AND OPEN FLAME.
STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE AND ODOR
COLORLESS LIQUID

PHYSICAL PROPERTIES
BOILING POINT:
FLASHPOINT

179 C TO 210 C
135 F
57C

CONTINUED ON NEXT PAGE

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PAGE 3

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NAME: MINERAL SPIRITS, ODORLESS

VAPOR PRESSURE: 2PSI 21.1 C
SPECIFIC GRAVITY: 0.752
VAPOR DENSITY: >1

SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -

ACUTE EFFECTS
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
CAUSES SKIN IRRITATION.
EXPOSURE CAN CAUSE:
NAUSEA, HEADACHE AND VOMITING
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: PY8030000
MINERAL OIL

IRRITATION DATA
SKN-RBT 100 MG/24H MLD
EYE-RBT 5 MG SEV
SKN-GPG 100 MG/24H MLD

CTOIDG 94(8),41,79
AJOPAA 29,1363,46
CTOIDG 94(8),41,79

TOXICITY DATA
ORL-MUS LD50:22 GM/KG ATXKA8 30,243,73
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -

DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -

THIS COMBUSTIBLE MATERIAL MAY BE BURNED IN A CHEMICAL INCINERATOR
EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

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PAGE 4

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OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -

CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -

EUROPEAN INFORMATION

CAUTION: SUBSTANCE NOT YET FULLY TESTED.

IRRITANT

R 36/37/38

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

S 26

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

S 36/37/39

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

REVIEWS, STANDARDS, AND REGULATIONS

DEL=MAK

ACGIH TLV-TWA 5 MG/M3; STEL 10 MG/M3 85INA8 6,1145,91
EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION

FEREAC 54,7740,89

MSHA STANDARD-AIR:TWA 5 MG/M3 (PARTICULATE)

DTLWS* 3,25,73

OSHA PEL (GEN INDU):8H TWA 5 MG/M3

CFRGBR 29,1910,1000,94

OSHA PEL (CONSTRUC):8H TWA 5 MG/M3

CFRGBR 29,1926,55,94

OSHA PEL (SHIPYARD):8H TWA 5 MG/M3

CFRGBR 29,1915,1000,93

OSHA PEL (FED CONT):8H TWA 5 MG/M3

CFRGBR 41,50-204,50,94

DEL-AUSTRALIA:TWA 5 MG/M3;STEL 10 MG/M3 JAN93

DEL-BELGIUM:TWA 5 MG/M3;STEL 10 MG/M3 JAN93

DEL-CZECHOSLOVAKIA:TWA 5 MG/M3;STEL 10 MG/M3 JAN93

DEL-DENMARK:TWA 2 MG/M3 JAN93

DEL-FINLAND:TWA 5 MG/M3 JAN93

DEL-HUNGARY:STEL 5 MG/M3;CARCINOGEN JAN93

DEL-JAPAN:TWA 3 MG/M3 JAN93

DEL-THE PHILIPPINES:TWA 5 MG/M3 JAN93

DEL-RUSSIA:STEL 5 MG/M3 JAN93

DEL-SWEDEN:TWA 3 MG/M3 JAN93

DEL-SWEDEN:TWA 3 MG/M3;STEL 5 MG/M3 JAN93

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PAGE 5

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DEL-SWITZERLAND:TWA 5 MG/M3 JAN93
DEL-UNITED KINGDOM:TWA 5 MG/M3;STEL 10 MG/M3 JAN93
DEL IN BULGARIA, COLOMBIA, JORDAN, KOREA CHECK ACGIH TLV
DEL IN NEW ZEALAND, SINGAPORE, VIETNAM CHECK ACGIH TLV
NOHS 1974: HZD T1542; NIS 3; TNF 22; NOS 7; TNE 698
NOES 1983: HZD T1542; NIS 275; TNF 49328; NOS 178; TNE 1100229; TFE
433405
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, APRIL 1996
NIOSH ANALYTICAL METHOD, 1994: OIL MIST, MINERAL, 5026

SECTION 16. - - - - - OTHER INFORMATION - - - - -

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