

Material Safety Data Sheet – Mineral Spirits

Distributed by:

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Product ID: MINERAL SPIRITS REGULAR (FOR THERMOMETER) – Liquid only

Item Description Information: re: Premiere® Lab Thermometers Item #97-3001 through 97-3119 & 97-3130

Ingredients

Name: PETROLEUM HYDROCARBON

Name: STODDARD SOLVENT

Name: TRIMETHYLBENZENE

Health Hazards Data

Effects of Exposure: EYE: SLIGHTLY IRRITATING BUT DOES NOT INJURE EYE TISSUE.

SKIN: FREQUENT OR PROLONGED CONTACT MAY IRRITATE AND CAUSE DERMATITIS. LOW ORDER OF TOXICITY. INHALATION: HIGH VAPOR/AEROSOL CONCENTRATIONS (GREATER THAN APPROX. 1000 PPM) ARE IRRITATING TO EYES AND THE RESPIRATORY TRACT, MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DEATH. INGESTION: SMALL AMOUNTS OF THIS PRODUCT ASPIRATED INTO RESPIRATORY SYSTEM DURING INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE PULMONARY INJURY, MINIMAL TOXICITY

Medical Condition Aggravated By Exposure: SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS CONDITION.

First Aid: EYE: FLUSH EYES WITH LARGE AMOUNTS OF WATER UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: FLUSH WITH LARGE AMOUNTS OF WATER, USE SOAP IF AVAILABLE. REMOVE GROSSLY CONTAMINATED CLOTHING, INCLUDING SHOES, AND LAUNDRER BEFORE REUSE. INHALATION: USING PROPER RESPIRATORY PROTECTION, IMMEDIATELY REMOVE THE AFFECTED VICTIM FROM EXPOSURE. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING IS STOPPED. KEEP AT REST, CALL FOR PROMPT MEDICAL ATTENTION. INGESTION: IF SWALLOWED. DO NOT INDUCE VOMITING. KEEP AT REST. GET PROMPT MEDICAL ATTENTION.

Handling and Disposal

Spill Release Procedures: LAND SPILL: ELIMINATE SOURCES OF IGNITION. PREVENT ADDITIONAL DISCHARGE OF MATERIAL, IF POSSIBLE TO DO SO WITHOUT HAZARD. FOR SPILLS: IMPLEMENT CLEANUP PROCEDURES AND IF IN PUBLIC AREA, KEEP PUBLIC AWAY AND ADVISE AUTHORITIES, ALSO, IF PRODUCT SUBJECT TO CERCLA REPORTING, NOTIFY NATIONAL RESPONSE CENTER. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS.

Waste Disposal Methods: LAND SPILLS: CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS. WATER SPILL: CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

Handling And Storage Precautions: KEEP CONTAINER CLOSED. HANDLE AND OPEN CONTAINERS WITH CARE. STORE IN A COOL, WELL VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS. DO NOT HANDLE OR STORE NEAR AN OPEN FLAME, HEAT OR OTHER SOURCES OF IGNITION. PROTECT MATERIAL FROM DIRECT SUNLIGHT.

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Other Precautions: MATERIAL WILL ACCUMULATE STATIC CHARGES WHICH MAY CAUSE AN ELECTRICAL SPARK (IGNITION SOURCE). USE PROPER GROUNDING PROCEDURES, DO NOT PRESSURIZE, CUT, HEAT, OR WELD CONTAINERS. EMPTY PRODUCT CONTAINERS MAY CONTAIN PRODUCT RESIDUE. DO NOT REUSE EMPTY CONTAINERS WITHOUT COMMERCIAL CLEANING OR RECONDITIONING.

Fire and Explosion Hazard Information

Flash Point Method: TCC

Flash Point: = 40.C, 104.F

Extinguishing Media: FOAM, DRY CHEMICALS, WATER SPRAY. AVOID SPRAYING WATER DIRECTLY INTO CONTAINERS OF BOILOVER.

Fire Fighting Procedures: USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND PROTECT PERSONNEL. ISOLATE "FUEL" SUPPLY FROM FIRE. USE FOAM, DRY CHEMICAL, OR WATER SPRAY TO EXTINGUISH FIRE. AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOILOVER. THIS LIQUID IS VOLATILE AND GIVES OFF INVISIBLE VAPORS.

Unusual Fire/Explosion Hazard: EITHER LIQUID OR VAPOR MAY SETTLE IN LOW AREAS OR TRAVEL SOME DISTANCE ALONG THE GROUND OR SURFACE TO IGNITION SOURCES WHERE THEY MAY IGNITE OR EXPLODE. CAN FORM COMBUSTIBLE MIXTURES AT OR ABOVE THE FLASHPOINT. MATERIAL CAN ACCUMULATE STATIC CHARGES WHICH CAUSE INCENDIARY ELECTRICAL DISCHARGE.

Control Measures

Respiratory Protection: WHERE CONCENTRATIONS IN AIR MAY EXCEED THE LIMITS GIVEN IN THIS SECTION AND ENGINEERING, WORK PRACTICE OR OTHER MEANS OF EXPOSURE REDUCTION ARE NOT ADEQUATE. NIOSH/MSHA APPROVED RESPIRATORS MAY BE NECESSARY TO PREVENT OVEREXPOSURE BY INHALATION.

Ventilation: USE OF LOCAL EXHAUST VENTILATION IS RECOMMENDED TO CONTROL PROCESS EMISSIONS NEAR THE SOURCE. PROVIDE MECHANICAL VENTILATION IN CONFINED SPACES

Protective Gloves: CHEMICAL RESISTANT GLOVES.

Eye Protection: WEAR SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment: LABORATORY SAMPLES SHOULD BE STORED AND HANDLED IN A LAB HOOD. FOR OPEN SYSTEMS WHERE CONTACT IS LIKELY, WEAR SAFETY GLASSES WITH SIDE SHIELDS, WEAR LONG SLEEVES, AND CHEMICAL RESISTANT GLOVES.

Supplemental Safety and Health: INDICATING LIQUID INSIDE THE THERMOMETER IS MADE UP OF MINERAL SPIRIT (THIS MSDS).

Physical/Chemical Properties

Boiling Point: =157.2C, 315.F

Melt/Freeze Pt: =-17.2C, 1.F

Vapor Pres: 2 AT 65F APPROXIMATE

Spec Gravity: 0.80 AT 60F

Viscosity: 1.3 AT 77 APPROXIMATE

Appearance and Odor: LIQUID

Reactivity Data

Stability Indicator: YES

Materials To Avoid: HALOGENS, MOLTEN SULFUR, STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: NONE

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Toxicological Information

Ecological Information

Ecological: NO DATA AVAILABLE.

MSDS Transport Information

Transport Information: DOT PSN: PETROLEUM DISTILLATE, N.O.S., UN1268, III.

Other Information

Other Information: NFPA HAZARD RATINGS: HEALTH = 0; FLAMMABILITY =2; REACTIVITY=0.

Hazard And Precautions: EYE/SKIN: SLIGHTLY IRRITATING. INHALATION: HIGH VAPOR/AEROSOL CONCENTRATIONS (GREATER THAN APPROXIMATE 1000 PPM) ARE IRRITATING TO EYES AND THE RESPIRATORY TRACT. SMALL AMOUNTS OF THIS PRODUCT ASPIRATED INTO RESPIRATORY SYSTEM DURING INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE PULMONARY INJURY. FIRST AID:EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. SKIN: FLUSH WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHINGS. WASH CLOTHING BEFORE REUSE. INHALATION: MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. INGESTION: DO NOT INDUCE VOMITING, CALL A PHYSICIAN.

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