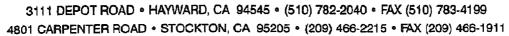


GOLD SHIELD DISTRIBUTORS





TYPICAL PROPERTIES

EFFECTIVE DATE: 7/1/93

CANCELS: 1/22/90

PRODUCT NAME: MINERAL SPIRITS

PROPERTY	TEST METHOD	TYPICAL PROPERTIES
Gravity, API @ 60F	D - 1298	51.1
Gravity, Specific @ 60F	D - 1298	0.7751
Pounds per Gallon @ 60F	D - 1298	6.453
Flash, TCC DEG F	D - 56	108
Kauri - Butanol Value	D - 1133	32
Aniline Point, DEG F	D - 611	150
Distillation, DEG F	D - 86	
IBP		320
10% REC.		326
50% REC.		332
90% REC.		351
DP		372
Aromatics, %V	GLC or CALCD	0.5
Benzene, PPM	GLC or CALCD	<1
-		



Page 001

Date Prepared: 03/08/96
Date Printed: 11/15/97

MSDS No: 999.0197908-006.001

MINERAL SPIRITS

1% AROMAT

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: MINERAL SPIRITS 66 1% AROMAT Product Code: 3002552

General or Generic ID: ALIPHATIC HYDROCARBON

Company

GOLD SHIELD DISTRIBUTORS
3111 DEPOT ROAD
HAYWARD, CA 94545

Emergency Telephone Number: EMERGENCY TELEPHONE NUMBER (CHEMTREC) 1-800-424-9300

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s) CAS Number % (by weight)
ALIPHATIC HYDROCARBONS (STODDARD TYPE) 8052-41-3 100.0

HAZARDS IDENTIFICATION

Potential Health Effects

Eve

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin

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. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

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Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Symptoms of Exposure

stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

Page 002 Date Prepared: 03/08/96 Date Printed: 11/15/97 MSDS No: 999.0197908-006.001

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1% AROMAT

Target Organ Effects

No data

Developmental Information

No data

Cancer Information

Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin contact, Eye contact.

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. Launder clothing before reuse.

Swallowing

Do not induce vomiting. This material is an aspiration hazard. If individual is drowsy or unconscious, place on left side with the head down. Seek medical attention. If possible, do not leave individual 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.

Note to Physicians

No data

5. FIRE FIGHTING MEASURES

Flash Point

105.0 F (40.5 C) TCC

Explosive Limit

(for component) Lower 1.0 Upper 6.0 %

Page 003
Date Prepared: 03/08/96
Date Printed: 11/15/97
MSDS No: 999.0197908-006.001

MINERAL SPIRITS

血红色 医多形的 医毒形的

1% AROMAT

Autoignition Temperature No data

Hazardous Products of Combustion
May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Fire and Explosion Hazards

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions

Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating
Not determined

6. ACCIDENTAL RELEASE MEASURES

Small Spill
Absorb liquid on vermiculite, floor absorbent or other absorbent material.

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. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. 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.

7. HANDLING AND STORAGE

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. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures Continued on next page

Page 004 Date Prepared: 03/08/96 Date Printed: 11/15/97 MSDS No: 999.0197908-006.001

MINERAL SPIRITS

1% AROMAT

in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

EXPOSURE CONTROLS/PERSONAL PROTECTION 8.

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

Wear resistant gloves (consult your safety equipment supplier)., To prevent repeated or prolonged skin contact, wear impervious clothing and boots..

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), 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 industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines

Component

ALIPHATIC HYDROCARBONS (STODDARD TYPE) (8052-41-3) OSHA VPEL 100.000 ppm - TWA ACGIH TLV 100.000 ppm - TWA

PHYSICAL AND CHEMICAL PROPERTIES 9.

Boiling Point (for component) 300.0 - 400.0 F (148.8 - 204.4 C) @ 760 mmHg

Vapor Pressure

(for component) 2.000 mmHg @ 68.00 F

Specific Vapor Density 4.900 @ AIR=1

Specific Gravity .772 @ 60.00 F

Liquid Density

000

6.440 lbs/gal @ 60.00 F .772 kg/l @ 16.00 C

Page 005

Date Prepared: 03/08/96 Date Printed: 11/15/97 MSDS No: 999.0197908-006.001

MINERAL SPIRITS

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1% AROMAT

Percent Volatiles 100.0

Evaporation Rate 70.00 (ETHYL ETHER)

Appearance

No data

State

LIQUID

Physical Form HOMOGENEOUS SOLUTION

CLEAR, SAYBOLT COLOR 30 MIN

Odor

No data

рН

Not applicable

STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization.

Hazardous Decomposition

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Chemical Stability

Stable.

Incompatibility

Avoid contact with: strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No data

ECOLOGICAL INFORMATION 12.

No data

DISPOSAL CONSIDERATION 13.

Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations.

Page 006

Date Prepared: 03/08/96 Date Printed: 11/15/97 MSDS No: 999.0197908-CC6.001

MINERAL SPIRITS

1% AROMAT

TRANSPORT INFORMATION 14.

DOT Information - 49 CFR 172.101
DOT Description:
PETROLEUM DISTILLATES, N.O.S., COMBUSTIBLE LIQUID, UN1268, III

Container/Mode:

55 GAL DRUM/TRUCK PACKAGE

NOS Component:

NAPHTHA

RQ (Reportable Quantity) - 49 CFR 172.101

Not applicable

REGULATORY INFORMATION 15.

US Federal Regulations TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

None listed

SARA 302 Components - 40 CFR 355 Appendix A

Section 311/312 Hazard Class - 40 CFR 370.2 Immediate() Delayed() Fire(X) Reactive(Reactive() Sudden Release of Pressure()

SARA 313 Components - 40 CFR 372.65

None

International Regulations Inventory Status Not determined

State and Local Regulations California Proposition 65

None

New Jersey RTK Label Information STODDARD SOLVENT

8052-41-3

Pennsylvania RTK Label Information

STÖDDARD SOLVENT

8052-41-3

16. OTHER INFORMATION

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.

Last page