

Fisher Scientific

Part of Thermo Fisher Scientific

Material Safety Data Sheet

Revision Date 23-Sep-2009

Creation Date 27-Apr-2009

Revision Number 1

Product Name PRODUCT AND COMPANY IDENTIFICATION Methanol

OPTIMAKIT; SC95-1; SW2-1; TIA947-4; TIA947P-200L A453-500; A454-1; A454-4; A454-4LC; A454RS-28; A454RS-115; A454RS A408-1; A408-4; A408-4LC; A411-4; A411-20; A412-1; A412-4; A412-4LC; A412-20; A412-200; A412-200LC; A412-500; A412CU-1300; A412FB-19; A412FB-50; 412FB-115; A412FB-200; A412P-4; A412POP-19; A947RS-28; A947RS-115; A947RS-200; A947SS-28; A947SS-50; A947SS-212; A456-500; A457-4; A935-4; A935RB-200; A947-4; A947POP-200; 200; A454SK-4; A454SS-28; A454SS-200; A455-1; A456-1; A456-4; A456-4LC; A452N-119; A452N-219; A452POP-50; 452POP-200; A452RS-19; 115; A947SS-200; BP1105-1; BP1105-4; BP1105SS-19; BP1105SS-28; A452SS-19; A452SS-28; 452SS-50; A452SS-200; A453-1; A453-1LC; A452RS-28; A452RS-50; 452RS-115; A452RS-200; A452SK-1; A452SK-4; A433S-4; A433S-20; A433S-200; A434-20; A450-4; A452-1; A452-4; A452-115; A413-4; A413-20; 413-200; A413-500; A433F-1GAL; A433P-4; A412RS-28; 412RS-50; 412RS-115; A412RS-200; A412SK-4; A412SS-A412POPB-200; 412RB-50; A412RB-115; A412RB-200; A412RS-19;

OPTIMA; LC/MS; GC Resolv; Electronic; Low Water; Peroxide-Free/Sequencing) Methyl alcohol; (Spectranalyzed; Laboratory; Certified ACS; NF; Histological; Pesticide; HPLC;

Recommended Use

Laboratory chemicals

Synonyms

One Reagent Lane Fair Lawn, NJ 07410 Tel: (201) 796-7100 Company Fisher Scientific

> Emergency Telephone Number CHEMTREC®, Inside the USA: 800-CHEMTREC®, Outside the USA: 703 424-9300

527-3887

2. HAZARDS IDENTIFICATION

Page 1/9

Thermo Fisher Scientific - Methanol

Revision Date 23-Sep-2009

2 HAZARDS IDENTIFICATION

DANGER

Emergency Overview

Emergency Overview

Flammable liquid and vapor. Poison, may be fatal or cause blindness if swallowed. Cannot be made non-poisonous. Vapor harmful. Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin. May cause irritation of respiratory tract. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Physical State Liquid

odor Alcohol-like

Optic nerve, Liver, Kidney, spleen, Blood

Gastrointestinal tract (GI), Central nervous system (CNS), Eyes, Respiratory system, Skin

Potential Health Effects

Target Organs

Appearance Colorless

Acute Effects

Principle Routes of Exposure

Ingestion

Irritating to eyes.

Toxic in contact with skin. Irritating to skin.

Toxic by inhalation. Vapor harmful. May cause irritation of respiratory tract.

Toxic by inhalation. Vapor harmful. May cause irritation of respiratory tract.

Poison, may be fatal or cause blindness if swallowed. Cannot be made non-poisonous.

Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. Experiments have shown reproductive toxicity effects on laboratory animals. May cause adverse liver effects. May cause adverse kidney effects.

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Chronic Effects

Aggravated Medical Conditions

See Section 11 for additional Toxicological information

Central nervous system disorders. Gastrointestinal tract. Preexisting eye disorders. Skin

CORPOSITIONINFORMATION ON INGREDIENT'S

.

laz/Non-haz Component Methyl alcohol CAS-No 67-56-1 Weight %

A, FIRST AID MEASURES

Eye Contact

Skin Contact

Inhalation

Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention

medical device. Immediate medical attention is required. if victim ingested or inhaled the substance; induce artificial respiration with a respiratory Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation

Do not induce vomiting. Call a physician or Poison Control Center immediately

Ingestion

Notes to Physician Treat symptomatically

Page 2/9

Thermo Fisher Scientific - Methanol

Revision Date 23-Sep-2009

Thermo Fisher Scientific - Methanol

Revision Date 23-Sep-2009

10, STABILITY AND REACTIVITY

Conditions to Avoid

Stability

Incompatible Materials

Hazardous Decomposition Products

Hazardous Polymerization

Hazardous Reactions.

Incompatible products. Heat, flames and sparks Stable under normal conditions.

Strong oxidizing agents, Strong acids, Acid anhydrides, Acid chlorides, Strong bases, Metals, Peroxides

Carbon monoxide (CO), Formaldehyde

Hazardous polymerization does not occur

None under normal processing..

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component	LD30 OF ALL	LD30 Detilial	TC30 IIIIIdidii
Methyl alcohol	5628 mg/kg (Rat)	15800 mg/kg (Rabbit)	64000 ppm (Rat)
•			83 2 mg/l (Rat) 4 h

Irritating to eyes and skin

Toxicologically Synergistic Products

Irritation

Carbon tetrachloride

Chronic Toxicity

Carcinogenicity

There are no known carcinogenic chemicals in this product

Sensitization

No information available.

Mutagenic Effects Mutagenic effects have occurred in experimental animals.

Reproductive Effects Experiments have shown reproductive toxicity effects on laboratory animals.

Developmental Effects Developmental effects have occurred in experimental animals.

Teratogenicity Teratogenic effects have occurred in experimental animals..

Other Adverse Effects The toxicological properties have not been fully investigated.. See actual entry in RTECS for complete information.

Endocrine Disruptor Information No information available

Page 5/9

12 ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and Degradability No information available

Bioaccumulation/ Accumulation No information available

Mobility

-0.74

DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

Methyl alcohol - 67-56-1 RCRA - U Series Wastes U154 RCRA - P Series Wastes

14. TRANSPORT INFORMATION

DOT

UN-No Proper Shipping Name Hazard Class Packing Group UN1230 METHANOL

TDG

Subsidiary Hazard Class Packing Group Proper Shipping Name Hazard Class UN1230 METHANOL

IATA

UN-No

Subsidiary Hazard Class Proper Shipping Name Hazard Class UN1230 METHANOL 3 6.1

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16 OTHER INFORMATION

Regulatory Affairs
Thermo Fisher Scientific
Tel: (412) 490-8929

Prepared By

27-Apr-2009

23-Sep-2009

"***", and red text indicates revision

Creation Date
Print Date
Revision Summary

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Page 9/9