

MSDS Number – Z0196

Manufacturers Product Name: **Universal Acid Alert Test Kit (S) (4502-24S)**

Sid Harvey Item number – F50-30



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Universal Acid Alert Test Kit (S) (4502-24S)
(To be used in conjunction with Universal Acid Alert Test Reagent (L)(4502-24L))

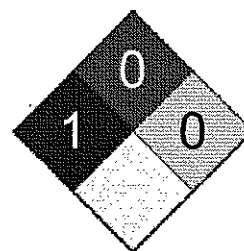
CAS # Mixture

Product use Acid test kit

Manufacturer Nu-Calgon
2008 Altom Court
St. Louis, MO 63146 US
Phone: 314-469-7000 / 800-554-5499
Emergency Phone: 1-800-424-9300 (CHEMTREC)

| LEGEND HMIS/NFPA | |
|---------------------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

| | |
|---------------------|-----|
| Health | / 1 |
| Flammability | 0 |
| Physical Hazard | 0 |
| Personal Protection | X |



2. Hazards Identification

Emergency overview Contact may cause eye and skin irritation.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Eyes May cause irritation.

Skin Prolonged exposure may cause skin irritation.

Inhalation May cause respiratory tract irritation.

Ingestion May cause stomach distress, nausea or vomiting.

Target organs Eyes. Skin.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition / Information on Ingredients

Composition comments This product is considered non hazardous by WHMIS/OSHA criteria.

4. First Aid Measures

First aid procedures

Eye contact Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin contact Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

Notes to physician Symptoms may be delayed.

General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

| | |
|---|---|
| Flammable properties | Not flammable by WHMIS/OSHA criteria. |
| Extinguishing media | |
| Suitable extinguishing media | Treat for surrounding material. |
| Unsuitable extinguishing media | Not available |
| Protection of firefighters | |
| Specific hazards arising from the chemical | Not available |
| Protective equipment for firefighters | Firefighters should wear full protective clothing including self contained breathing apparatus. |
| Hazardous combustion products | May include and are not limited to: |
| Explosion data | |
| Sensitivity to mechanical impact | Not available |
| Sensitivity to static discharge | Not available |

6. Accidental Release Measures

| | |
|--------------------------------|---|
| Personal precautions | Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. |
| Methods for cleaning up | Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use. |

7. Handling and Storage

| | |
|-----------------|--|
| Handling | Use good industrial hygiene practices in handling this material. |
| Storage | Keep out of reach of children. Store in a closed container away from incompatible materials. |

8. Exposure Controls / Personal Protection

| | |
|---------------------------------------|---|
| Engineering controls | General ventilation normally adequate. |
| Personal protective equipment | |
| Eye / face protection | Wear safety glasses with side shields. |
| Hand protection | Follow standard industrial hygiene practices. |
| Skin and body protection | As required by employer code. |
| Respiratory protection | Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. |

9. Physical & Chemical Properties

| | |
|-----------------------|--------------------|
| Appearance | Clear. |
| Color | Colorless |
| Form | Liquid |
| Odor | Characteristic |
| Odor threshold | Not available |
| Physical state | Liquid |
| pH | 10.9 (Concentrate) |

| | |
|---|-----------------|
| Melting point | Not available |
| Freezing point | Not available |
| Boiling point | Not available |
| Flash point | Not available |
| Evaporation rate | Not available |
| Flammability limits in air, lower, % by volume | Not available |
| Flammability limits in air, upper, % by volume | Not available |
| Vapor pressure | Not available |
| Vapor density | Not available |
| Specific gravity | 0.9048 |
| Octanol/water coefficient | Not available |
| Solubility (H2O) | Complete |
| Auto-ignition temperature | Not available |
| VOC (Weight %) | Not available |
| Viscosity | Not available |
| Bulk density | 7.54 lbs/gallon |
| Percent volatile | Not available |

10. Chemical Stability & Reactivity Information

| | |
|---|---|
| Chemical stability | Stable under recommended storage conditions. |
| Conditions to avoid | None known. |
| Incompatible materials | Caustics. Acids. |
| Hazardous decomposition products | May include and are not limited to: Oxides of phosphorus. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |

11. Toxicological Information

| | |
|----------------------------------|---|
| Effects of acute exposure | |
| Eye | May cause irritation. |
| Skin | Prolonged exposure may cause skin irritation. |
| Inhalation | May cause respiratory tract irritation. |
| Ingestion | May cause stomach distress, nausea or vomiting. |
| Sensitization | Non-hazardous by WHMIS/OSHA criteria. |
| Chronic effects | Non-hazardous by WHMIS/OSHA criteria. |
| Carcinogenicity | Non-hazardous by WHMIS/OSHA criteria. |
| Mutagenicity | Non-hazardous by WHMIS/OSHA criteria. |
| Reproductive effects | Non-hazardous by WHMIS/OSHA criteria. |
| Teratogenicity | Non-hazardous by WHMIS/OSHA criteria. |

12. Ecological Information

| | |
|--|---|
| Ecotoxicity | Components of this product have been identified as having potential environmental concerns. |
| Environmental effects | Not available |
| Aquatic toxicity | Not available |
| Persistence / degradability | Not available |
| Bioaccumulation / accumulation | Not available |
| Partition coefficient | Not available |
| Mobility in environmental media | Not available |
| Chemical fate information | Not available |
| Other adverse effects | Not available |

13. Disposal Considerations

| | |
|--|--|
| Waste codes | Not available |
| Disposal instructions | Dispose in accordance with all applicable regulations. |
| Waste from residues / unused products | Not available |
| Contaminated packaging | Not available |

14. Transport Information

| | |
|---|-----------------------------------|
| U.S. Department of Transportation (DOT) | Not regulated as dangerous goods. |
| Transportation of Dangerous Goods (TDG - Canada) | Not regulated as dangerous goods. |

15. Regulatory Information

| | | |
|--|---|-------------------------------|
| Canadian federal regulations | This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. | |
| US Federal regulations | This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List. | |
| Occupational Safety and Health Administration (OSHA) | | |
| 29 CFR 1910.1200 hazardous chemical | No | |
| CERCLA (Superfund) reportable quantity | Potassium hydroxide: 1000.0000 | |
| Superfund Amendments and Reauthorization Act of 1986 (SARA) | | |
| Hazard categories | Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No | |
| Section 302 extremely hazardous substance | No | |
| Section 311 hazardous chemical | No | |
| Clean Air Act (CAA) | Not available | |
| Clean Water Act (CWA) | Not available | |
| Safe Drinking Water Act (SDWA) | Not available | |
| Drug Enforcement Agency (DEA) | Not available | |
| Food and Drug Administration (FDA) | Not available | |
| WHMIS status | Not Controlled | |
| State regulations | This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. | |
| Inventory name | | |
| Country(s) or region | Inventory name | On inventory (yes/no)* |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date

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Effective date

15-Jul-2008

Expiry date

15-Jul-2011

Prepared by

Nu-Calgon Technical Service (314) 469-7000



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Universal Acid Alert Test Kit (L) (4502-24L)
(To be used in conjunction with Universal Acid Alert Test Reagent (S)(4502-24S))

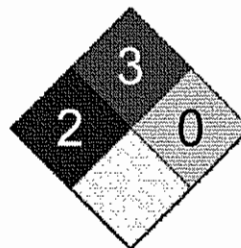
CAS # Mixture

Product use Refrigeration Oil Test Kit

Manufacturer Nu-Calgon
2008 Altom Court
St. Louis, MO 63146 US
Phone: 314-469-7000 / 800-554-5499
Emergency Phone: 1-800-424-9300 (CHEMTREC)

| LEGEND HMIS/NFPA | |
|---------------------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

| | |
|---------------------|-----|
| Health | * 2 |
| Flammability | 3 |
| Physical Hazard | 0 |
| Personal Protection | X |



2. Hazards Identification

Emergency overview DANGER
Flammable liquid - may release vapors that form flammable mixtures at or above the flash point.
EYE AND SKIN IRRITANT.
Contains potential teratogens.
Contains a potential mutagen.
CONTAINS MATERIAL WHICH MAY CAUSE CANCER.

Potential short term health effects

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Eyes May cause irritation.

Skin May cause irritation.

ACGIH - Threshold Limit Values - Skin Notations

Methyl alcohol 67-56-1 Skin - potential significant contribution to overall exposure by the cutaneous route

NIOSH - Pocket Guide - Skin Notations

Methyl alcohol 67-56-1 Potential for dermal absorption

Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion This product may be harmful or fatal if swallowed. May cause stomach distress, nausea or vomiting.

Target organs Eyes. Kidney. Liver. Respiratory system. Skin.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition / Information on Ingredients

| Ingredient(s) | CAS # | Percent |
|-----------------|----------|---------|
| Toluene | 108-88-3 | 30 - 60 |
| Isopropanol | 67-63-0 | 15 - 40 |
| Methyl alcohol | 67-56-1 | 15 - 40 |
| Phenolphthalein | 77-09-8 | 1 - 5 |

4. First Aid Measures

First aid procedures

| | |
|---------------------|--|
| Eye contact | Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists. |
| Skin contact | Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists. |
| Inhalation | If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention. |
| Ingestion | Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing. |

Notes to physician

Symptoms may be delayed.

General advice

Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties

Flammable by WHMIS/OSHA criteria. Vapors may travel to a source of ignition and flash back. Containers may explode when heated.

Extinguishing media

Suitable extinguishing media Carbon dioxide. Alcohol foam. Water spray. Dry chemical. Foam. Water Fog.

Unsuitable extinguishing media Not available

Protection of firefighters

Specific hazards arising from the chemical Not available

Protective equipment for firefighters Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products

May include and are not limited to: Oxides of carbon.

Explosion data

Sensitivity to mechanical impact Not available

Sensitivity to static discharge Not available

6. Accidental Release Measures

Personal precautions

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Methods for containment

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Use water spray to reduce vapors or divert vapor cloud drift.

Methods for cleaning up

Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

7. Handling and Storage

Handling

Use good industrial hygiene practices in handling this material.

Storage

Keep out of reach of children. Do not store at temperatures above 120°F (49°C). Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

| Exposure limits Ingredient(s) | Exposure Limits |
|---------------------------------------|---|
| Isopropanol | ACGIH-TLV TWA: 200 ppm STEL: 400 ppm OSHA-PEL TWA: 400 ppm |
| Methyl alcohol | ACGIH-TLV TWA: 200 ppm STEL: 250 ppm OSHA-PEL TWA: 200 ppm |
| Phenolphthalein | ACGIH-TLV Not established OSHA-PEL Not established |
| Toluene | ACGIH-TLV TWA: 20 ppm Skin: 50 ppm OSHA-PEL TWA: 200 ppm Ceiling: 300 ppm |
| Engineering controls | General ventilation normally adequate. |
| Personal protective equipment | |
| Eye / face protection | Wear safety glasses with side shields. |
| Hand protection | Rubber gloves. Confirm with a reputable supplier first. |
| Skin and body protection | As required by employer code. |
| Respiratory protection | Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. |

9. Physical & Chemical Properties

| | |
|---|------------------------|
| Appearance | Clear. |
| Color | Colorless |
| Form | Liquid |
| Odor | Characteristic |
| Odor threshold | Not available |
| Physical state | Liquid |
| pH | Not available |
| Melting point | Not available |
| Freezing point | Not available |
| Boiling point | < 100 °C (< 212.00 °F) |
| Flash point | < 13 °C (< 55.40 °F) |
| Evaporation rate | Not available |
| Flammability limits in air, lower, % by volume | Not available |
| Flammability limits in air, upper, % by volume | Not available |
| Vapor pressure | Not available |

| | |
|---------------------------|-----------------|
| Vapor density | Not available |
| Specific gravity | 0.9168 |
| Octanol/water coefficient | Not available |
| Solubility (H2O) | Complete |
| Auto-ignition temperature | Not available |
| VOC (Weight %) | 100 |
| Viscosity | Not available |
| Bulk density | 7.64 lbs/gallon |
| Percent volatile | Not available |

10. Chemical Stability & Reactivity Information

| | |
|---|---|
| Chemical stability | Stable under recommended storage conditions. |
| Conditions to avoid | Avoid high temperatures. Do not mix with other chemicals. |
| Incompatible materials | Acids. Oxidizers. Caustics. |
| Hazardous decomposition products | May include and are not limited to: Oxides of carbon. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |

11. Toxicological Information

Component analysis - LC50

| Ingredient(s) | LC50 |
|-----------------|-------------------|
| Isopropanol | 16970 mg/l/4h rat |
| Methyl alcohol | 83.2 mg/l/4h rat |
| Phenolphthalein | Not available |
| Toluene | 12.5 mg/l/4h rat |

Component analysis - Oral LD50

| Ingredient(s) | LD50 |
|-----------------|---|
| Isopropanol | 4396 mg/kg rat |
| Methyl alcohol | 5628 mg/kg rat; 7300 mg/kg mouse; 14200 mg/kg rabbit; 7600 mg/kg monkey |
| Phenolphthalein | 1000 mg/kg rat |
| Toluene | 636 mg/kg rat |

Effects of acute exposure

Eye May cause irritation.

Skin May cause irritation.

ACGIH - Threshold Limit Values - Skin Notations

Methyl alcohol 67-56-1 Skin - potential significant contribution to overall exposure by the cutaneous route

NIOSH - Pocket Guide - Skin Notations

Methyl alcohol 67-56-1 Potential for dermal absorption

Inhalation

Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion

This product may be harmful or fatal if swallowed. May cause stomach distress, nausea or vomiting.

Sensitization

Non-hazardous by WHMIS/OSHA criteria.

Chronic effects

Non-hazardous by WHMIS/OSHA criteria.

Carcinogenicity Contains a potential carcinogen.

ACGIH - Threshold Limit Values - Carcinogens

Isopropanol 67-63-0 A4 - Not Classifiable as a Human Carcinogen
Toluene 108-88-3 A4 - Not Classifiable as a Human Carcinogen

IARC - Group 2B (Possibly Carcinogenic to Humans)

Phenolphthalein 77-09-8 Monograph 76 [2000]

IARC - Group 3 (Not Classifiable)

Isopropanol 67-63-0 Monograph 71 [1999], Supplement 7 [1987], Monograph 15 [1977]
Toluene 108-88-3 Monograph 71 [1999], Monograph 47 [1989]

NTP (National Toxicology Program) - Report on Carcinogens - Reasonably Anticipated to be Human Carcinogens

Phenolphthalein 77-09-8 Reasonably Anticipated To Be A Human Carcinogen

U.S. - California - Proposition 65 - Carcinogens List

Phenolphthalein 77-09-8 carcinogen, initial date 5/15/98

Mutagenicity Phenolphthalein has produced positive results (chromosome aberrations) following oral administration to mice.

Reproductive effects Non-hazardous by WHMIS/OSHA criteria.

Teratogenicity Methanol has produced teratogenic effects in mice exposed by inhalation to high concentrations that did not produce significant maternal toxicity.
Toluene (benzene, methyl-) has caused fetotoxicity (reduced fetal weight), behavioural effects (effects on learning and memory) and hearing loss (in males). These effects have been observed in the offspring of rats exposed by inhalation to 1200 or 1800 ppm toluene. These effects were observed in the absence of maternal toxicity.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

Ecotoxicity - Freshwater Algae Data

Isopropanol 67-63-0 96 Hr EC50 Scenedesmus subspicatus: >1000 mg/L; 72 Hr EC50 Scenedesmus subspicatus: >1000 mg/L
Toluene 108-88-3 96 Hr EC50 Selenastrum capricornutum: >433 mg/L

Ecotoxicity - Freshwater Fish Species Data

Isopropanol 67-63-0 96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11130 mg/L [static]
Methyl alcohol 67-56-1 96 Hr LC50 Pimephales promelas: 28100 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 13200 mg/L
Toluene 108-88-3 96 Hr LC50 Pimephales promelas: 25 mg/L [flow-through] (1 day old); 96 Hr LC50 Oncorhynchus mykiss: 24.0 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 24.0 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 13 mg/L [static]

Ecotoxicity - Microtox Data

Isopropanol 67-63-0 5 Min EC50 Photobacterium phosphoreum: 35390 mg/L
Methyl alcohol 67-56-1 5 Min EC50 Photobacterium phosphoreum: 43000 mg/L; 15 min EC50 Photobacterium phosphoreum: 40000 mg/L; 25 min EC50 Photobacterium phosphoreum: 39000 mg/L
Toluene 108-88-3 30 Min EC50 Photobacterium phosphoreum: 19.7 mg/L

Ecotoxicity - Water Flea Data

Isopropanol 67-63-0 48 Hr EC50 Daphnia magna: 13299 mg/L
Toluene 108-88-3 48 Hr EC50 water flea: 11.3 mg/L; 48 Hr EC50 water flea: 310 mg/L; 48 Hr EC50 Daphnia magna: 11.3 mg/L

Environmental effects Not available

Aquatic toxicity Not available

Persistence / degradability Not available

Bioaccumulation / accumulation Not available

Partition coefficient Not available

Mobility in environmental media Not available

Chemical fate information Not available

Other adverse effects Not available

13. Disposal Considerations

Waste codes Not available

Disposal instructions Dispose in accordance with all applicable regulations.

Waste from residues / unused products Not available

Contaminated packaging Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Basic shipping requirements:

| | |
|-------------------------|---|
| Proper shipping name | Flammable liquids, n.o.s. (Benzene, methyl- RQ = 2291 lbs, Methanol RQ = 15557 lbs) |
| Hazard class | 3 |
| UN number | UN1993 |
| Packing group | II |
| Additional information: | |
| Special provisions | IB2, T7, TP1, TP8, TP28 |
| Packaging exceptions | <0.3G-Consumer Commodity ORM-D |
| ERG number | 128 |



Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

| | |
|-------------------------|---|
| Proper shipping name | FLAMMABLE LIQUID, N.O.S. (Benzene, methyl-, Methanol) |
| Hazard class | 3 |
| UN number | UN1993 |
| Packing group | II |
| Additional information: | |
| Special provisions | 16 |
| Packaging exceptions | <1L - Consumer Commodity |



15. Regulatory Information

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Canada - WHMIS - Ingredient Disclosure List

| | | |
|----------------|----------|-----|
| Isopropanol | 67-63-0 | 1 % |
| Methyl alcohol | 67-56-1 | 1 % |
| Toluene | 108-88-3 | 1 % |

US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

| | | |
|----------------|----------|------------------------------------|
| Methyl alcohol | 67-56-1 | 5000 Lb final RQ; 2270 kg final RQ |
| Toluene | 108-88-3 | 1000 Lb final RQ; 454 kg final RQ |

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

| | | |
|----------------|----------|--|
| Isopropanol | 67-63-0 | 1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification) |
| Methyl alcohol | 67-56-1 | 1.0 % de minimis concentration |
| Toluene | 108-88-3 | 1.0 % de minimis concentration |

U.S. - CWA (Clean Water Act) - Hazardous Substances

| | | |
|---------|----------|---------|
| Toluene | 108-88-3 | Present |
|---------|----------|---------|

U.S. - CWA (Clean Water Act) - Priority Pollutants

| | | |
|---------|----------|---------|
| Toluene | 108-88-3 | Present |
|---------|----------|---------|

U.S. - CWA (Clean Water Act) - Toxic Pollutants

| | | |
|---------|----------|---------|
| Toluene | 108-88-3 | Present |
|---------|----------|---------|

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

Methanol: 5000.0000

Benzene, methyl-: 1000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - Yes

Pressure Hazard - No

Reactivity Hazard - No

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical

Yes

Clean Air Act (CAA)

Not available

Clean Water Act (CWA)

Not available

Safe Drinking Water Act (SDWA)

Not available

Drug Enforcement Agency (DEA)

Not available

Food and Drug Administration (FDA)

Not available

WHMIS status

Controlled

WHMIS classification

Class B - Division 2 - Flammable Liquid, Class D - Division 2A, 2B

WHMIS labeling



State regulations

WARNING: This product may contain a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

| | | |
|----------------|----------|---|
| Isopropanol | 67-63-0 | Present |
| Methyl alcohol | 67-56-1 | Present (refers to solutions greater than or equal to 3%) |
| Toluene | 108-88-3 | Present |

U.S. - California - Proposition 65 - Carcinogens List

| | | |
|-----------------|---------|----------------------------------|
| Phenolphthalein | 77-09-8 | carcinogen, initial date 5/15/98 |
|-----------------|---------|----------------------------------|

U.S. - California - Proposition 65 - Developmental Toxicity

| | | |
|---------|----------|---|
| Toluene | 108-88-3 | developmental toxicity, initial date 1/1/91 |
|---------|----------|---|

U.S. - Illinois - Toxic Air Contaminants

| | | |
|----------------|----------|---------|
| Methyl alcohol | 67-56-1 | Present |
| Toluene | 108-88-3 | Present |

U.S. - Louisiana - Reportable Quantity List for Pollutants

| | | |
|----------------|----------|--|
| Methyl alcohol | 67-56-1 | 5000 Lb final RQ; 2270 kg final RQ |
| Toluene | 108-88-3 | 100 Lb RQ (unauthorized emissions based on total mass emitted into the atmosphere - see regulatory text for applicable parishes. The combined emission of highly reactive volatile organic compounds (acetaldehyde, butenes, ethylene, propylene, toluene, xylene, and/or isoprene) shall be totaled to determine if a RQ has been exceeded) |

U.S. - Massachusetts - Right To Know List

| | | |
|----------------|----------|---------|
| Isopropanol | 67-63-0 | Present |
| Methyl alcohol | 67-56-1 | Present |
| Toluene | 108-88-3 | Present |

U.S. - Michigan - Critical Materials List

| | | |
|---------|----------|-------------------------------|
| Toluene | 108-88-3 | 100 Lb Annual usage threshold |
|---------|----------|-------------------------------|

U.S. - Minnesota - Hazardous Substance List

| | | |
|----------------|----------|---------|
| Isopropanol | 67-63-0 | Present |
| Methyl alcohol | 67-56-1 | Skin |
| Toluene | 108-88-3 | Skin |

U.S. - New Jersey - Right to Know Hazardous Substance List

| | | |
|-----------------|----------|---------|
| Isopropanol | 67-63-0 | sn 1076 |
| Methyl alcohol | 67-56-1 | sn 1222 |
| Phenolphthalein | 77-09-8 | sn 4110 |
| Toluene | 108-88-3 | sn 1866 |

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

| | | |
|----------------|----------|--|
| Methyl alcohol | 67-56-1 | 5000 Lb RQ (air); 1 lb RQ (land/water) |
| Toluene | 108-88-3 | 1000 Lb RQ (air); 1 lb RQ (land/water) |

U.S. - North Carolina - Control of Toxic Air Pollutants

| | | |
|---------|----------|---|
| Toluene | 108-88-3 | 4.7 mg/m3 (chronic toxicants); 56 mg/m3 (acute irritants) |
|---------|----------|---|

U.S. - Pennsylvania - RTK (Right to Know) List

| | | |
|----------------|----------|----------------------|
| Isopropanol | 67-63-0 | Environmental hazard |
| Methyl alcohol | 67-56-1 | Environmental hazard |
| Toluene | 108-88-3 | Environmental hazard |

U.S. - Rhode Island - Hazardous Substance List

| | | |
|----------------|----------|--------------------------------|
| Isopropanol | 67-63-0 | Toxic; Flammable |
| Methyl alcohol | 67-56-1 | Toxic; Flammable |
| Toluene | 108-88-3 | Toxic (skin); Flammable (skin) |

Inventory name

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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