



Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

*** Section 1 - Identification ***

Product Identifier

VIKING YACHT ACETONE

Synonyms

Dimethyl ketone; 2-Propanone; Dimethyl formaldehyde; Beta-Ketopropane; Pyroacetic ether

Recommended Use

Cleaning and paint reducing. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

Restrictions on Use

None known.

Manufacturer Information

Safety-Kleen Systems, Inc.
42 Longwater Drive
Norwell, MA 02061-9149

Phone: 1-800-669-5740
www.safety-kleen.com
Emergency # 1-800-468-1760

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*** Section 2 - Hazard(s) Identification ***

Classification in Accordance with 29 CFR 1910.1200.

Flammable Liquids, Category 2
Acute Toxicity (Inhalation), Category 4
Serious Eye Damage/Eye Irritation, Category 2A
Carcinogenicity, Category 1B
Toxic to Reproduction, Category 1A
Toxic to reproduction, Effects on or via lactation
Specific Target Organ Toxicity - Single Exposure, Category 3 (central nervous system)
Specific Target Organ Toxicity - Repeated Exposure, Category 1 (liver, kidneys, central nervous system, and eyes)

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

DANGER!

Hazard Statement(s)

Highly flammable liquid and vapor
Harmful if inhaled
Causes serious eye irritation
May cause cancer
May damage fertility or the unborn child
May cause harm to breast-fed children.

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

May cause drowsiness and dizziness

Causes damage to liver, kidneys, central nervous system, and eyes through prolonged or repeated exposure.

Toxic to aquatic life with long lasting effects

Precautionary Statement(s)

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe vapor or mist. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Avoid release to the environment.

Response

In case of fire, use media appropriate for extinction. IF exposed or concerned: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect spillage.

Storage

Store in a well-ventilated place. Keep cool. Keep cool. Store locked up.

Disposal

Dispose in accordance with all applicable regulations.

Hazard(s) Not Otherwise Classified

Repeated exposure may cause skin dryness or cracking.

*** Section 3 - Composition / Information on Ingredients ***

CAS	Component	Percent
67-64-1	Acetone	85-95
100-41-4	Ethyl benzene	0-1
78-93-3	Methyl ethyl ketone	0-1
67-56-1	Methyl alcohol	<0.5
64741-89-5	C5 to C8 Aliphatic hydrocarbons	<0.5
141-78-6	Ethylacetate	<0.5
1330-20-7	Xylenes (o-, m-, p- isomers)	0-1
108-88-3	Toluene	0-1

*** Section 4 - First Aid Measures ***

Description of Necessary Measures

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

Ingestion

IF SWALLOWED: Do NOT induce vomiting. Immediately get medical attention. Call 1-800-468-1760 for additional information. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

Most Important Symptoms/Effects

Acute

Causes serious eye irritation, central nervous system depression.

Delayed

Cancer, reproductive effects, liver damage, kidney damage, central nervous system damage, eye damage

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Treat symptomatically and supportively. Increased sensitivity of the heart to Adrenaline (epinephrine) may be caused by overexposure to product. For acetone poisoning, administration of gastric lavage and/or activated charcoal slurry, if warranted, should be performed by qualified medical personnel. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

* * * Section 5 - Fire-Fighting Measures * * *

Suitable Extinguishing Media

Carbon dioxide, alcohol-resistant foam, dry chemical, water spray, or water fog.

Unsuitable Extinguishing Media

Do not scatter spilled material with high-pressure water streams.

Specific Hazards Arising from the Chemical

Highly flammable liquid and vapor. Vapors or gases may ignite at distant ignition sources and flash back. Most vapors are heavier than air and will spread along ground and collect in low or confined areas (drains, basements, tanks). Heated containers may rupture. "Empty" containers may retain residue and can be dangerous. Product may be sensitive to static discharge, which could result in fire or explosion.

Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce hydrocarbons, carbon monoxide, and unidentified organic compounds.

Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Keep away from sources of ignition - No smoking. Cool containers with water spray until well after the fire is out. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn.

* * * Section 6 - Accidental Release Measures * * *

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

Methods and Materials for Containment and Clean Up

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, spark proof tool into a sealable container for disposal.

Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal. There may be specific regulatory reporting requirements associated with spills, leaks, or releases of this product. Also see **SECTION 15: REGULATORY INFORMATION**.

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

***** Section 7 - Handling and Storage *****

Precautions for Safe Handling

Keep away from heat, sparks, or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean, spark proof tools and explosion-proof equipment. When transferring product, metal containers, including trucks and tank cars, should be grounded and bonded. Do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes. Do not smoke when using this product.

Conditions for Safe Storage, Including Any Incompatibilities

Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition; containers may explode and cause injury or death. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORTATION INFORMATION** for Packing Group information.

Incompatibilities

Avoid acids, alkalis, oxidizing agents, and reactive metals.

***** Section 8 - Exposure Controls / Personal Protection *****

Component Exposure Limits

Acetone	67-64-1
ACGIH:	250 ppm TWA;500 ppm STEL
NIOSH:	250 ppm TWA ; 590 mg/m3 TWA; 2500 ppm IDLH (10% LEL)
OSHA (US):	1000 ppm TWA ; 2400 mg/m3 TWA
Methyl ethyl ketone	78-93-3
ACGIH:	200 ppm TWA; 300 ppm STEL
NIOSH:	200 ppm TWA ; 590 mg/m3 TWA; 300 ppm STEL ; 885 mg/m3 STEL; 3000 ppm IDLH
OSHA (US):	200 ppm TWA ; 590 mg/m3 TWA
Benzene, ethyl-	100-41-4
ACGIH:	20 ppm TWA
NIOSH:	100 ppm TWA ; 435 mg/m3 TWA; 125 ppm STEL ; 545 mg/m3 STEL 800 ppm IDLH (10% LEL)
OSHA (US):	100 ppm TWA ; 435 mg/m3 TWA
Toluene	108-88-3
ACGIH:	20 ppm TWA
NIOSH:	100 ppm TWA ; 375 mg/m3 TWA; 150 ppm STEL ; 560 mg/m3 STEL; 500 ppm IDLH
OSHA (US):	200 ppm TWA; 300 ppm Ceiling

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

Xylenes (o-, m-, p- isomers)	1330-20-7
ACGIH:	100 ppm TWA; 150 ppm STEL
OSHA (US):	100 ppm TWA ; 435 mg/m3 TWA
Acetate, ethyl	141-78-6
ACGIH:	400 ppm TWA
NIOSH:	400 ppm TWA ; 1400 mg/m3 TWA; 2000 ppm IDLH (10% LEL)
OSHA (US):	400 ppm TWA ; 1400 mg/m3 TWA
Methyl alcohol	67-56-1
ACGIH:	200 ppm TWA ; 250 ppm STEL; Skin - potential significant contribution to overall exposure by the cutaneous route
NIOSH:	200 ppm TWA ; 260 mg/m3 TWA; 250 ppm STEL ; 325 mg/m3 STEL; Potential for dermal absorption; 6000 ppm IDLH
OSHA (US):	200 ppm TWA ; 260 mg/m3 TWA

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

Acetone (67-64-1)

25 mg/l Medium: urine Time: end of shift Parameter: Acetone (nonspecific)

Methyl ethyl ketone (78-93-3)

2 mg/l Medium: urine Time: end of shift Parameter: MEK (nonspecific)

Benzene, ethyl- (100-41-4)

0.15 g/g creatinine Medium: urine Time: end of shift Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)

Toluene (108-88-3)

0.02 mg/l Medium: blood Time: prior to last shift of workweek Parameter: Toluene ; 0.03 mg/l Medium: urine Time: end of shift Parameter: Toluene ; 0.3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background)

Xylenes (o-, m-, p- isomers) (1330-20-7)

1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids

Methyl alcohol (67-56-1)

15 mg/l Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)

Engineering Controls

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits. Where explosive mixtures may be present, equipment safe for such locations should be used.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Safety glasses with side shields should be worn at a minimum. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended.

Respiratory Protection

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

Use NIOSH-certified P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Do not use N-rated respirators. Protection provided by air purifying respirators is limited. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

Glove Recommendations

Where skin contact is likely, wear chemical impervious protective gloves; use of natural rubber (latex), polyvinyl chloride (PVC), neoprene or equivalent gloves is not recommended. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant face shield, boots, apron, whole body suits, or other protective clothing.

Protective Materials

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Gloves, Safety glasses, and Lab coat or apron.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance/Odor : Colorless to straw yellow liquid, mild odor	pH: Not applicable.
Odor Threshold: 20 ppm	Boiling Point: 133°F (56.2°C)
Melting Point: -139°F (-95°C)	Solubility (H2O): Complete
Specific Gravity: 0.79 (water =1)	Density: 6.6 LB/US gal (792/g/L)
Octanol/H2O Coeff.: Log Pow=-0.24	Evaporation Rate: 6 (butyl acetate = 1)
Molecular Weight: 58.1	Auto Ignition Temperature: 869°F (465°C)
LFL: 2.5 VOL %	Flash Point: -4°F (-20°C)
UFL: 13 VOL%	Viscosity: Not available
Vapor Pressure: 180 mm Hg @ 68°F (20°C)	Vapor Density: 2 (air = 1)
Flammability (solid, gas): Not applicable	

* * * Section 10 - Stability & Reactivity * * *

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions

Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.

Conditions To Avoid

Avoid heat, sparks, or flame.

Incompatible Materials

Avoid acids, alkalis, oxidizing agents, and reactive metals.

Hazardous Decomposition Products

None under normal temperatures and pressures.

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

*** Section 11 - Toxicological Information ***

Information on Likely Routes of Exposure

Inhalation

May cause irritation, nausea, vomiting, headache, drowsiness, dizziness, loss of coordination, numbness, unconsciousness, coma.

Skin Contact

May cause skin irritation, absorbed through the skin.

Eye Contact

May cause eye irritation, redness, tearing, blurred vision.

Ingestion

May cause irritation, nausea, vomiting, headache, drowsiness, dizziness, loss of coordination.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Acetone (67-64-1)

Oral LD50 Rat 5800 mg/kg; Dermal LD50 Rabbit >15700 mg/kg; Inhalation LC50 Rat 50100 mg/m³ 8 h

Methyl ethyl ketone (78-93-3)

Oral LD50 Rat 2483 mg/kg; Dermal LD50 Rabbit 5000 mg/kg; Inhalation LC50 Rat 11700 ppm 4 h

Benzene, ethyl- (100-41-4)

Oral LD50 Rat 3500 mg/kg; Dermal LD50 Rabbit 15400 mg/kg; Inhalation LC50 Rat 17.4 mg/L 4 h

Toluene (108-88-3)

Oral LD50 Rat 2600 mg/kg; Dermal LD50 Rabbit 12000 mg/kg; Inhalation LC50 Rat 12.5 mg/L 4 h

Xylenes (o-, m-, p- isomers) (1330-20-7)

Oral LD50 Rat 3500 mg/kg; Dermal LD50 Rabbit >4350 mg/kg; Inhalation LC50 Rat 29.08 mg/L 4 h

Acetate, ethyl (141-78-6)

Oral LD50 Rat 5620 mg/kg; Dermal LD50 Rabbit >18000 mg/kg; Inhalation LC50 Rat 4000 ppm 4 h

Petroleum distillates, solvent-refined light paraffinic (64741-89-5)

Oral LD50 Rat >15 g/kg; Dermal LD50 Rabbit >5 g/kg; Inhalation LC50 Rat 2.18 mg/L 4 h

Methyl alcohol (67-56-1)

Oral LD50 Rat 6200 mg/kg; Dermal LD50 Rabbit 15840 mg/kg; Inhalation LC50 Rat 22500 ppm 8 h

Product Toxicity Data

Acute Toxicity Estimate

No data available.

Immediate Effects

Depression of central nervous system, eye irritation.

Delayed Effects

Cancer, reproductive effects, liver damage, kidney damage, central nervous system damage, eye damage.

Irritation/Corrosivity Data

Eye irritation.

Respiratory Sensitization

Based on best current information, there is no known human sensitization associated with this product.

Dermal Sensitization

Based on best current information, there is no known human sensitization associated with this product.

Component Carcinogenicity

Acetone	67-64-1
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
Benzene, ethyl-	100-41-4

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
IARC:	Monograph 77 [2000] (Group 2B (possibly carcinogenic to humans))
DFG:	Category 4 (no significant contribution to human cancer)
OSHA:	Present
Toluene	108-88-3
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999] ; Monograph 47 [1989] (Group 3 (not classifiable))
Xylenes (o-, m-, p- isomers)	1330-20-7
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999] ; Monograph 47 [1989] (Group 3 (not classifiable))

Germ Cell Mutagenicity

No information available for the product.

Tumorigenic Data

No information available for the product.

Reproductive Toxicity

May damage fertility or the unborn child. May cause harm to breast-fed children.

Specific Target Organ Toxicity - Single Exposure

Central nervous system

Specific Target Organ Toxicity - Repeated Exposure

Liver, kidneys, central nervous system, eyes.

Aspiration hazard

No information available for the product.

Medical Conditions Aggravated by Exposure

Individuals with pre-existing cardiovascular, liver, kidney, respiratory tract (nose, throat, and lungs), central nervous system, eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

***** Section 12 - Ecological Information *****

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Component Analysis - Aquatic Toxicity

Acetone	67-64-1
Fish:	LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L; LC50 96 h Pimephales promelas 6210 - 8120 mg/L [static]; LC50 96 h Lepomis macrochirus 8300 mg/L
Invertebrate:	EC50 48 h Daphnia magna 10294 - 17704 mg/L [Static] EPA ; EC50 48 h Daphnia magna 12600 - 12700 mg/L IUCLID
Methyl ethyl ketone	78-93-3

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

Fish:	LC50 96 h Pimephales promelas 3130 - 3320 mg/L [flow-through]
Invertebrate:	EC50 48 h Daphnia magna >520 mg/L IUCLID ; EC50 48 h Daphnia magna 5091 mg/L IUCLID ; EC50 48 h Daphnia magna 4025 - 6440 mg/L [Static] EPA
Benzene, ethyl-	100-41-4
Fish:	LC50 96 h Oncorhynchus mykiss 11 - 18 mg/L [static] ; LC50 96 h Oncorhynchus mykiss 4.2 mg/L [semi-static] ; LC50 96 h Pimephales promelas 7.55 - 11 mg/L [flow-through] ; LC50 96 h Lepomis macrochirus 32 mg/L [static] ; LC50 96 h Pimephales promelas 9.1 - 15.6 mg/L [static] ; LC50 96 h Poecilia reticulata 9.6 mg/L [static]
Algae:	EC50 72 h Pseudokirchneriella subcapitata 4.6 mg/L IUCLID ; EC50 96 h Pseudokirchneriella subcapitata >438 mg/L IUCLID ; EC50 72 h Pseudokirchneriella subcapitata 2.6 - 11.3 mg/L [static] EPA ; EC50 96 h Pseudokirchneriella subcapitata 1.7 - 7.6 mg/L [static] EPA
Invertebrate:	EC50 48 h Daphnia magna 1.8 - 2.4 mg/L IUCLID
Toluene	108-88-3
Fish:	LC50 96 h Pimephales promelas 15.22 - 19.05 mg/L [flow-through] (1 day old) ; LC50 96 h Pimephales promelas 12.6 mg/L [static] ; LC50 96 h Oncorhynchus mykiss 5.89 - 7.81 mg/L [flow-through] ; LC50 96 h Oncorhynchus mykiss 14.1 - 17.16 mg/L [static] ; LC50 96 h Oncorhynchus mykiss 5.8 mg/L [semi-static] ; LC50 96 h Lepomis macrochirus 11 - 15 mg/L [static] ; LC50 96 h Oryzias latipes 54 mg/L [static] ; LC50 96 h Poecilia reticulata 28.2 mg/L [semi-static] ; LC50 96 h Poecilia reticulata 50.87 - 70.34 mg/L [static]
Algae:	EC50 96 h Pseudokirchneriella subcapitata >433 mg/L IUCLID ; EC50 72 h Pseudokirchneriella subcapitata 12.5 mg/L [static] EPA
Invertebrate:	EC50 48 h Daphnia magna 5.46 - 9.83 mg/L [Static] EPA ; EC50 48 h Daphnia magna 11.5 mg/L IUCLID
Xylenes (o-, m-, p-isomers)	1330-20-7
Fish:	LC50 96 h Pimephales promelas 13.4 mg/L [flow-through] ; LC50 96 h Oncorhynchus mykiss 2.661 - 4.093 mg/L [static] ; LC50 96 h Oncorhynchus mykiss 13.5 - 17.3 mg/L ; LC50 96 h Lepomis macrochirus 13.1 - 16.5 mg/L [flow-through] ; LC50 96 h Lepomis macrochirus 19 mg/L ; LC50 96 h Lepomis macrochirus 7.711 - 9.591 mg/L [static] ; LC50 96 h Pimephales promelas 23.53 - 29.97 mg/L [static] ; LC50 96 h Cyprinus carpio 780 mg/L [semi-static] ; LC50 96 h Cyprinus carpio >780 mg/L ; LC50 96 h Poecilia reticulata 30.26 - 40.75 mg/L [static]
Invertebrate:	EC50 48 h water flea 3.82 mg/L ; LC50 48 h Gammarus lacustris 0.6 mg/L
Acetate, ethyl	141-78-6
Fish:	LC50 96 h Pimephales promelas 220 - 250 mg/L [flow-through] ; LC50 96 h Oncorhynchus mykiss 484 mg/L [flow-through] ; LC50 96 h Oncorhynchus mykiss 352 - 500 mg/L [semi-static]

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

Invertebrate:	EC50 48 h Daphnia magna 560 mg/L [Static] EPA
Petroleum distillates, solvent-refined light paraffinic	64741-89-5
Fish:	LC50 96 h Oncorhynchus mykiss >5000 mg/L
Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L IUCLID
Methyl alcohol	67-56-1
Fish:	LC50 96 h Pimephales promelas 28200 mg/L [flow-through]; LC50 96 h Pimephales promelas >100 mg/L [static]; LC50 96 h Oncorhynchus mykiss 19500 - 20700 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 18 - 20 mL/L [static]; LC50 96 h Lepomis macrochirus 13500 - 17600 mg/L [flow-through]

Persistence and Degradability

No information available for the product.

Bioaccumulative Potential

No information available for the product.

Mobility

No information available for the product.

Other Toxicity

No adverse effects expected.

***** Section 13 - Disposal Considerations *****

Disposal Methods

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal. If discarded, this product is considered a RCRA ignitable waste, D001 and must be managed in accordance with 40 CFR Part 261. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product.

***** Section 14 - Transport Information *****

US DOT Information:

Shipping Name: FLAMMABLE LIQUIDS, N.O.S. , (Contains: Acetone , Methyl ethyl ketone)

Hazard Class: 3

UN/NA #: UN1993

Packing Group: II

Required Label(s): 3

Marine pollutant

IATA Information:

Shipping Name: FLAMMABLE LIQUID, N.O.S. , (Contains: Acetone , Methyl ethyl ketone)

Hazard Class: 3

UN#: UN1993

Packing Group: II

Required Label(s): 3

Marine pollutant

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

IMDG Information:

Shipping Name: FLAMMABLE LIQUID, N.O.S. , (Contains: Acetone , Methyl ethyl ketone)

Hazard Class: 3

UN#: UN1993

Packing Group: II

Required Label(s): 3

Marine pollutant

TDG Information:

Shipping Name: FLAMMABLE LIQUID, N.O.S. , (Contains: Acetone , Methyl ethyl ketone)

Hazard Class: 3

UN#: UN1993

Packing Group: II

Required Label(s): 3

Marine pollutant

International Bulk Chemical Code

This material contains one or more of the following chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

Methyl ethyl ketone	78-93-3
IBC Code:	Category Z
Benzene, ethyl-	100-41-4
IBC Code:	Category Y
Toluene	108-88-3
IBC Code:	Category Y
Xylenes (o-, m-, p-isomers)	1330-20-7
IBC Code:	Category Y
Acetate, ethyl	141-78-6
IBC Code:	Category Z
Methyl alcohol	67-56-1
IBC Code:	Category Y

Further information

ERG:128; Reference: North American Emergency Response Guidebook

* * * Section 15 - Regulatory Information * * *

U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

Acetone	67-64-1
CERCLA:	5000 lb final RQ ; 2270 kg final RQ
Methyl ethyl ketone	78-93-3
CERCLA:	5000 lb final RQ ; 2270 kg final RQ
Benzene, ethyl-	100-41-4
SARA 313:	0.1 % de minimis concentration
CERCLA:	1000 lb final RQ ; 454 kg final RQ
Toluene	108-88-3
SARA 313:	1 % de minimis concentration
CERCLA:	1000 lb final RQ ; 454 kg final RQ
Xylenes (o-, m-, p- isomers)	1330-20-7
SARA 313:	1 % de minimis concentration
CERCLA:	100 lb final RQ ; 45.4 kg final RQ
Acetate, ethyl	141-78-6
CERCLA:	5000 lb final RQ ; 2270 kg final RQ
Methyl alcohol	67-56-1
SARA 313:	1 % de minimis concentration
CERCLA:	5000 lb final RQ ; 2270 kg final RQ

Chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

CAS-No.	Name	Percent by Weight
100-41-4	Benzene, -ethyl	0-1
108-88-3	Toluene	0-1
1330-20-7	Xylenes (o-, m-, p- isomers)	0-1
57-56-1	Methyl alcohol	<0.5

SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories

Flammable; Carcinogenicity; Reproductive Toxicity; Serious Eye Damage/Eye Irritation; Specific Target Organ Toxicity

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Acetone	67-64-1	Yes	Yes	Yes	Yes	Yes
Methyl ethyl ketone	78-93-3	Yes	Yes	Yes	Yes	Yes

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

Benzene, ethyl-	100-41-4	Yes	Yes	Yes	Yes	Yes
Toluene	108-88-3	Yes	Yes	Yes	Yes	Yes
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	Yes	Yes	Yes	Yes
Acetate, ethyl	141-78-6	Yes	Yes	Yes	Yes	Yes
Petroleum distillates, solvent-refined light paraffinic	64741-89-5	No	Yes	No	No	No
Methyl alcohol	67-56-1	Yes	Yes	Yes	Yes	Yes

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

Warning! This product can expose you to chemicals including Benzene, ethyl- , which is known to the State of California to cause cancer and Toluene, Methyl alcohol , which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Benzene, ethyl-	100-41-4
Carc:	carcinogen , 6/11/2004
Toluene	108-88-3
Repro/Dev. Tox	developmental toxicity , 1/1/1991
Methyl alcohol	67-56-1
Repro/Dev. Tox	developmental toxicity , 3/16/2012

Component Analysis - Inventory

Acetone (67-64-1)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA		MX	NZ	PH	TH-TECI	TW	VN (Draft)	
No		Yes	Yes	Yes	Yes	Yes	Yes	

Methyl ethyl ketone (78-93-3)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA		MX	NZ	PH	TH-TECI	TW	VN (Draft)	
Yes		Yes	Yes	Yes	Yes	Yes	Yes	

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

Benzene, ethyl- (100-41-4)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

Toluene (108-88-3)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
Yes			Yes	Yes	Yes	Yes	Yes	Yes

Xylenes (o-, m-, p- isomers) (1330-20-7)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
Yes			Yes	Yes	Yes	Yes	Yes	Yes

Acetate, ethyl (141-78-6)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
Yes			Yes	Yes	Yes	Yes	Yes	Yes

Petroleum distillates, solvent-refined light paraffinic (64741-89-5)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	No	No	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
No			Yes	Yes	Yes	No	Yes	Yes

Safety Data Sheet

Material Name: VIKING YACHT ACETONE

SDS ID: 820077

Methyl alcohol (67-56-1)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA		MX	NZ	PH	TH-TECI	TW	VN (Draft)	
Yes		Yes	Yes	Yes	Yes	Yes	Yes	

***** Section 16 - Other Information *****

NFPA Ratings: Health: 1 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Revision Information

2022-01: Addition to Section 15.

Key/Legend

ACGIH - American Conference of Governmental Industrial Hygienists; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Disclaimer

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplied to the user.