

This SDS complies with the Canadian Hazardous Products Regulations of 2015.

1. Product and Company Identification

Product Name: 1419K
Company Name: Hitachi Industrial Equipment & Solutions America, LLC
Phone Number: (866)583-0048
2730 Greenleaf Avenue
Elk Grove Village, IL 60007
Web site address: <http://www.hitachi-america.us/ice/marketing-and-coding>
Emergency Contact: Chemtrec (800)424-9300
Information: Christian Krzykwa (980)500-7144
Intended Use: Printing ink

2. Hazards Identification

Flammable Liquids, Category 2

Serious Eye Damage/Eye Irritation, Category 2

Specific Target Organ Toxicity (single exposure), Category 3 - Respiratory irritation.

Specific Target Organ Toxicity (repeated exposure), Category 2



GHS Signal Word:

Danger

GHS Hazard Phrases:

H225 - Highly flammable liquid and vapor.
H319 - Causes serious eye irritation.
H302 - Harmful if swallowed.
H332 - Harmful if inhaled.
H315 - Causes skin irritation.
H370 - Causes damage to organs kidney
Causes respiratory irritation.
H372 - Causes damage to organs central and peripheral nervous systems through prolonged or repeated exposure.

GHS Precautionary Phrases:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe vapors.
P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P370+378 - In case of fire, use dry chemical, CO2, water spray or foam to extinguish.
P302 - IF ON SKIN:
P352 - Wash with plenty of water.
P362+364 - Take off contaminated clothing and wash it before reuse.

SAFETY DATA SHEET

1419K

Page: 2

Revision: 04/12/2023

Supersedes Revision: 02/08/2019

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 - If eye irritation persists, get medical advice/attention.
P332+313 - If skin irritation occurs, get medical advice/attention.
P308+311 - If exposed or concerned: Call a POISON CENTER/Doctor/...
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 - Do NOT induce vomiting.

GHS Storage and Disposal Phrases:

P405 - Store locked up. P501 - Dispose of contents/container ...
P403+235 - Store in cool & well-ventilated place.

Emergency Overview:

Flammable (USA) Highly Flammable (EU). Irritant.
Explosive when dry. Irritating to eyes and skin.
Target organs: Nerves. Kidneys.

Potential Health Effects (Acute and Chronic):

Hazards not otherwise classified (HNOC) or not covered by GHS.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
78-93-3	Methyl ethyl ketone	70.0 -80.0 %
67-63-0	Isopropyl alcohol	1.0 -5.0 %
9004-70-0	Nitrocellulose	1.0 -5.0 %
NA	(Trade Secret)	1.0 -5.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In Case of Inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

In Case of Skin Contact:

Wash off with soap and plenty of water. Consult a physician. Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

In Case of Eye Contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

In Case of Ingestion:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Wash out mouth with water provided person is conscious. Call a physician.

Signs and Symptoms Of Exposure:

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 Prolonged exposure can cause: Nausea, Headache. Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Narcotic effect.

Indication of any immediate medical attention and special treatment needed:

No data available.

5. Fire Fighting Measures

Flash Pt:	> -2.30 C (27.9 F) Method Used: TAG Closed Cup
Explosive Limits:	LEL: No data N.E. UEL: No data N.E.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
Fire Fighting Instructions:	Wear self contained breathing apparatus for fire fighting if necessary. Further information. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Flammable Liquid. Emits toxic fumes under fire conditions. Dry material is an explosive. Specific Method(s) of Fire Fighting: Use water spray to cool fire-exposed containers.
Flammable Properties and Hazards:	Carbon oxides, Flash back possible over considerable distance. Container explosion may occur under fire conditions. EXPLOSION HAZARDS. Vapor may travel considerable distance to source of ignition and flash back. Dry material is an explosive.
Hazardous Combustion Products:	No data available.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Steps To Be Taken In Case Material Is Released Or Spilled:	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL. Evacuate area. Shut off all sources of ignition. Use nonsparking tools. PROCEDURE(S) OF PERSONAL PRECAUTION(S) Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Methods for cleaning up. Do not attempt to sweep up dry material. Dampen with water prior to sweeping or shoveling. Immediately soak spilled material with water and remove to covered metal containers. Add water to containers. Do not allow material to become dry.

7. Handling and Storage

Precautions To Be Taken in Handling:	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2. User Exposure: Do not get in eyes, on skin, on clothing. Do not breathe vapor. Explosion: Dry material is an explosive. Container explosion may occur under fire conditions.
Precautions To Be Taken in Storing:	Store under inert gas. Keep container tightly closed in a cool, dry, and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Hygroscopic.

SAFETY DATA SHEET

1419K

Storage class 510) Handle and store under inert gas. Keep container closed. Keep away from heat, sparks, and open flame.
Store away from heat and direct sunlight.
Incompatible Materials: Avoid all contact with strong acids and strong bases, Oxidizing agents, Amines,
SPECIAL REQUIREMENTS:
Do not allow material to become dry.

Other Precautions: Apart from the uses mentioned in section 1 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
78-93-3	Methyl ethyl ketone	PEL: 200 ppm	TLV: 200 ppm STEL: 300 ppm	No data.
67-63-0	Isopropyl alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.
9004-70-0	Nitrocellulose	No data.	No data.	No data.
NA	(Trade Secret)	No data.	No data.	No data.

Personal Protective Equipment Symbols:



Respiratory Equipment (Specify Type):

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye Protection:

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Chemical safety goggles.

Protective Gloves:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Splash contact:
Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 292 min. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario. Full contact.
Material: Nitrile rubber Minimum layer thickness: 0.4 mm.
Rubber gloves.

Other Protective Clothing:

Impervious clothing. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Engineering Controls (Ventilation etc.):

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Safety shower and eye bath. Use nonsparking tools. Mechanical exhaust required.

Work/Hygienic/Maintenance Practices:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash thoroughly after handling.

Environmental Exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Controls:

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Black. Pungent odor.
pH:	No data
Melting Point:	-89.50 C (-129.1 F) - 129.10 C (264.4 F)
Boiling Point:	80.00 C (176.0 F) - 83.00 C (181.4 F)
Flash Pt:	> -2.30 C (27.9 F) Method Used: TAG Closed Cup
Evaporation Rate:	No data
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: No data N.E. UEL: No data N.E.
Vapor Pressure (vs. Air or mm Hg):	No data
Vapor Density (vs. Air = 1):	No data
Specific Gravity (Water = 1):	0.87 at 25.0 C (77.0 F)
Density:	0.820 G/CM3
Solubility in Water:	No data
Saturated Vapor Concentration:	No data
Octanol/Water Partition Coefficient:	No data
Autoignition Pt:	No data.
Decomposition Temperature:	NE
Viscosity:	No data
Explosive Properties:	No data available.
Oxidizing Properties:	No data available.
Information with regard to primary physical hazard:	

10. Stability and Reactivity

Reactivity:	No data available.
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Exposure to moisture. Heat, flames and sparks. Extremes of temperature and direct sunlight. May be shock-sensitive if dry.
Incompatibility - Materials To Avoid:	Oxidizing agents, Strong reducing agents, Acid anhydrides, Aluminum, Halogenated compounds, Acids. acids, Bases, Halogens.
Hazardous Decomposition or Byproducts:	No data available. In the event of fire: see section 5. Other decomposition products: Carbon monoxide, Carbon dioxide, nitrogen oxides. methane. Aldehydes, carboxylic acids, hydrogen cyanide.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid -	Vapors may form explosive mixture with air.

Hazardous Reactions:

11. Toxicological Information

Toxicological Information: Acute toxicity.

Germ cell mutagenicity: No data available.

Reproductive toxicity. Aspiration hazard: ROUTE OF EXPOSURE:

Skin Contact: Causes skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)

Kidneys. Liver. Cardiovascular system. Gastrointestinal System. Nerves.

CAS# 78-93-3:

1. Acute toxicity, TCl_o, Inhalation, Human, 100.0 PPM, 5 M.

Result:

Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Olfaction:Other changes.

Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Conjunctive irritation.

Lungs, Thorax, or Respiration:Other changes.

- Journal of Industrial Hygiene and Toxicology, Vol/p/yr: 25,282, 1943

2. Acute toxicity, LD₅₀, Oral, Mouse, 4050. MG/KG.

Result:

Behavioral: Sleep.

Behavioral: Headache.

Gastrointestinal:Nausea or vomiting.

- Toxicology Letters., Elsevier Science Pub. B.V., POB 211, 1000 AE, Amsterdam 1000 AE Netherlands, Vol/p/yr: 30,13, 1986

3. Acute toxicity, LC₅₀, Inhalation, Mouse, 32.00 GM/M³, 4 H.

Result:

Gastrointestinal: Alteration in gastric secretion.

Gastrointestinal:Other changes.

- Current Toxicology, Nova Science Publishers, Inc., 6080 Jericho Turnpike, Suite 207, Commack, NY 11725, Vol/p/yr: 1,47, 1993

4. Acute toxicity, LD₅₀, Intraperitoneal, Mouse, 616.0 MG/KG.

Result:

Behavioral: Change in motor activity (specific assay).

Behavioral: Ataxia.

Behavioral: Antipsychotic.

- Shell Chemical Company. Unpublished Report., Vol/p/yr: -,6, 1961

5. Acute toxicity, LD₅₀, Skin, Species: Rabbit, 6480. MG/KG.

Result:

Behavioral: Hallucinations, distorted perceptions.

Endocrine:Effect on menstrual cycle.

- Shell Chemical Company., Vol/p/yr: MSDS-5390-,

SAFETY DATA SHEET

1419K

6. Acute toxicity, TCLo, Inhalation, Human, 10.00 ppm.

Result:

Cardiac: Pulse rate decreased with fall in BP.

Lungs, Thorax, or Respiration: Other changes.

- Neurotoxicology., Intox Press, Inc., POB 34075, Little Rock, AR 72203, Vol/p/yr: 24,179, 2003

7. Acute toxicity, LC50, Inhalation, Mouse, 32.00 mg/m3.

Result:

Liver: Fatty liver degeneration.

8. Standard Draize Test, Eyes, Human, 350.0 PPM.

Result:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Gastrointestinal: Tumors.

Liver: Tumors.

- Journal of Industrial Hygiene and Toxicology, Vol/p/yr: 25,282, 1943

9. Standard Draize Test, Skin, Species: Rabbit, 500.0 MG, 24 H.

Result:

Behavioral: Ataxia.

Lungs, Thorax, or Respiration: Dyspnea.

Gastrointestinal: Hypermotility, diarrhea.

- Journal of Industrial Hygiene and Toxicology, Vol/p/yr: 25,282, 1943

CAS# 67-63-0:

1. Acute toxicity, TDLo, Oral, Human, 14432. MG/KG.

Result:

Behavioral: Coma.

Vascular: BP lowering not characterized in autonomic section.

Lungs, Thorax, or Respiration: Dyspnea.

- New England Journal of Medicine., Massachusetts Medical Soc., 10 Shattuck St., Boston, MA 02115, Vol/p/yr: 277,699, 1967

2. Acute toxicity, TDLo, Oral, Human, 223.0 MG/KG.

Result:

Behavioral: Hallucinations, distorted perceptions.

Cardiac: Pulse rate.

Vascular: BP lowering not characterized in autonomic section.

- Journal of Laboratory and Clinical Medicine., C.V. Mosby Co., 11830 Westline Industrial Dr., St. Louis, MO 63146, Vol/p/yr: 12,326, 1927

3. Acute toxicity, LDLO, Oral, Human, 3570. MG/KG.

Result:

Behavioral: Coma.

Lungs, Thorax, or Respiration: Respiratory depression.

Gastrointestinal: Nausea or vomiting.

- "Toxicology of Drugs and Chemicals", Deichmann, W.B., Academic Press, Inc., New York, Vol/p/yr: -,339, 1969

4. Acute toxicity, LDLO, Route of Application: Unreported., Human, 2770. MG/KG.

Result:

SAFETY DATA SHEET

1419K

Biochemical: Enzyme inhibition, induction, or change in blood or tissue levels:

Cytochrome oxidases (including oxidative phosphorylation).

- Poisoning; Toxicology, Symptoms, Treatments, 2nd ed., Arena, J.M., C.C. Thomas, Springfield, IL, Vol/p/yr: 2,73, 1970

5. Acute toxicity, LD50, Oral, Mouse, 3600. MG/KG.

Result:

Behavioral: Altered sleep time (including change in righting reflex).

Behavioral: Somnolence (general depressed activity).

- Gigiena i Sanitariya, Mezhdunarodnaya Kniga, ul. B. Yakimanka, 39, 113095, Moscow 113095 Russia, Vol/p/yr: 43(1),8, 1978

6. Acute toxicity, LCLO, Inhalation, Mouse, 12800. PPM, 3 H.

Result:

Maternal Effects: Other effects.

- Interagency Collaborative Group on Environmental Carcinogenesis, National Cancer Institute, Memorandum, June 1, Vol/p/yr: 17JU, 1974

7. Acute toxicity, LD50, Intraperitoneal, Mouse, 4477. MG/KG.

Result:

Skin and Appendages: Skin: After topical exposure: Dermatitis, allergic.

- EHP, Environmental Health Perspectives., U.S. Government Printing Office, Supt of Documents, Washington, DC 20402, Vol/p/yr: 61,321, 1985

8. Acute toxicity, LD50, Intravenous, Mouse, 1509. MG/KG.

Result:

Lungs, Thorax, or Respiration: Fibrosis, focal (pneumoconiosis).

Lungs, Thorax, or Respiration: Acute pulmonary edema.

- EHP, Environmental Health Perspectives., U.S. Government Printing Office, Supt of Documents, Washington, DC 20402, Vol/p/yr: 61,321, 1985

9. Acute toxicity, LD50, Oral, Species: Rabbit, 6410. MG/KG.

Result:

Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Effects on Newborn: Biochemical and metabolic.

- FAO Nutrition Meetings Report Series., Vol/p/yr: 48A,114, 1970

10. Acute toxicity, LD50, Skin, Species: Rabbit, 12800. MG/KG.

Result:

Specific Developmental Abnormalities: Respiratory system.

- Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National Assoc. of Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labor, Lehigh Univ., Bethlehem, PA 18015, Vol/p/yr: 1,100, 1974

11. Acute toxicity, LD50, Intraperitoneal, Species: Rabbit, 667.0 MG/KG.

Result:

Specific Developmental Abnormalities: Craniofacial (including nose and tongue).

- EHP, Environmental Health Perspectives., U.S. Government Printing Office, Supt of Documents, Washington, DC 20402, Vol/p/yr: 61,321, 1985

12. Acute toxicity, TCLo, Inhalation, Human, 35.00 ppm.

Result:

Cardiac: Pulse rate decreased with fall in BP.

SAFETY DATA SHEET

1419K

Lungs, Thorax, or Respiration: Other changes.

- Neurotoxicology., Intox Press, Inc., POB 34075, Little Rock, AR 72203, Vol/p/yr: 24,179, 2003

13. Acute toxicity, LDLO, Route of Application: Unreported., Human, 2.000 mL/kg.

Result:

Specific Developmental Abnormalities: Central nervous system.

Specific Developmental Abnormalities: Craniofacial (including nose and tongue).

Specific Developmental Abnormalities: Other developmental abnormalities.

- Japanese Journal of Toxicology, Yakugyo Jihosha, Hokushin Bldg., 2-36 Jinbo-cho, Kanda, Chiyoda, Tokyo 101 Japan, Vol/p/yr: 12,341, 1999

14. Standard Draize Test, Skin, Species: Rabbit, 500.0 MG.

Result:

Tumorigenic: Carcinogenic by RTECS criteria.

Liver: Tumors.

Blood: Leukemia.

- National Technical Information Service, Vol/p/yr: AD-A106-94,

15. Standard Draize Test, Eyes, Species: Rabbit, 100.0 MG.

Result:

Tumorigenic: Carcinogenic by RTECS criteria.

Liver: Tumors.

Blood: Leukemia.

- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS# 9004-70-0:

1. Acute toxicity, LD50, Oral, Rat, > 5.000 GM/KG.

Result:

Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 33,159, 1975

2. Acute toxicity, LD50, Oral, Mouse, > 5.000 GM/KG.

Result:

Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count).

- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 33,159, 1975

Irritation or Corrosion:

Skin corrosion/irritation.

Result: Tumorigenic: Tumors at site or application. No skin irritation. (OECD Test Guideline 404) Serious eye damage/eye irritation Eyes -Rabbit

Irritating to eyes. Provide adequate ventilation.

Mild eye irritation Serious eye damage/eye irritation Eyes -rabbit. Serious eye damage/eye irritation: Eyes - rabbit -

Sensitization:

No data available.

Chronic Toxicological Effects:

Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity -repeated exposure: no data available. Inhalation. Oral.

Specific target organ toxicity - repeated exposure: Carcinogen.

Result: Tumorigenic: Tumors at site or application.

Carcinogenicity/Other

IARC: No component of this product present at levels greater than or equal to 0.1% is

SAFETY DATA SHEET

1419K

Information: identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. IARC: 3 -Group 3: Not classifiable as to its carcinogenicity to humans.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
78-93-3	Methyl ethyl ketone	n.a.	n.a.	n.a.	n.a.
67-63-0	Isopropyl alcohol	n.a.	3	Unknown	n.a.
9004-70-0	Nitrocellulose	n.a.	n.a.	n.a.	n.a.
NA	(Trade Secret)	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

Results of PBT and vPvB assessment: No data available.
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other adverse effects: No data available.

13. Disposal Considerations

Waste Disposal Method: Product:
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging: APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION.
Observe all federal, state, and local environmental regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: ETHYL METHYL KETONE. ISOPROPANOL.
DOT Hazard Class: 3 FLAMMABLE LIQUID
UN/NA Number: UN1210 **Packing Group:** II



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: ETHYL METHYL KETONE. ISOPROPANOL.
UN Number: UN1210 **Packing Group:** II
Hazard Class: 3 - FLAMMABLE LIQUID **TDG Classification:**

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: UN Number: 2556
UN Number: UN1210 **Packing Group:** II
Hazard Class: 3 - FLAMMABLE LIQUID

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
78-93-3	Methyl ethyl ketone	No	Yes NA	No
67-63-0	Isopropyl alcohol	No	No	Yes
9004-70-0	Nitrocellulose	No	No	No
NA	(Trade Secret)	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Explosive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Acute toxicity (any route of exposure)
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Flammable (gases, aerosols, liquid, or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Skin Corrosion or Irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-reactive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric (liquid or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-heating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Organic peroxide	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Corrosive to metal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Gas under pressure (compressed gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	In contact with water emits flammable gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Health) Hazard Not Otherwise Classified (HNOC)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Combustible Dust		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Physical) Hazard Not Otherwise Classified (HNOC)		

CAS #	Hazardous Components (Chemical Name)	Canadian NPRI	Canadian Toxic	Canadian DSL
78-93-3	Methyl ethyl ketone	Yes: Part 5	No	Yes
67-63-0	Isopropyl alcohol	Yes: Part 5		Yes
9004-70-0	Nitrocellulose	No	No	Yes
NA	(Trade Secret)	No	No	No

California Proposition 65



WARNING

This product can expose you to chemicals including Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
78-93-3	Methyl ethyl ketone	TSCA: Inventory CA TAC, Title 8: TAC: Cat. IIa, Title 8 NC TAP: Yes: NC TAP
67-63-0	Isopropyl alcohol	TSCA: Inventory CA TAC, Title 8: TAC: Cat. IIb, Title 8
9004-70-0	Nitrocellulose	TSCA: Inventory
NA	(Trade Secret)	TSCA: Inventory

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
78-93-3	Methyl ethyl ketone	Mexico INSQ: 1193 Japan ENCS: 2-542 Germany WHCS: 150: WGK 1 Switzerland Giftliste 1: G-2429 REACH: 01-2119457290-43: Full, (P)
67-63-0	Isopropyl alcohol	Mexico INSQ: 1219 Japan ENCS: 2-207 Japan ISHL: 2-(8)-319

SAFETY DATA SHEET

1419K

Revision: 04/12/2023

Supersedes Revision: 02/08/2019

9004-70-0 Nitrocellulose

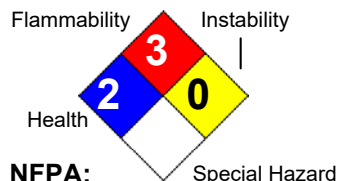
NA (Trade Secret)

Israel HSL: Cat.
Germany WHCS: 135: WGK 1
Switzerland Giftliste 1: G-1712
REACH: 01-2119457558-25: Full, (P)
Japan ENCS: 8-176
Switzerland Giftliste 1: G-8365
REACH: (P)

16. Other Information

Revision Date: 04/12/2023**Previous revision:** 02/08/2019**Hazard Rating System:**

HEALTH		2
FLAMMABILITY		3
PHYSICAL		0
PPE		B

HMIS:**Previous revision:****NFPA:****Additional Information About** No data available.**This Product:****Company Policy or****Disclaimer:**