



# KTEX 2014 USA

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 02/01/2016 Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Name : KTEX 2014 USA  
Product code : 41797 (200L), 41798 (20L)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Dry-cleaning solvent

#### 1.3. Details of the supplier of the safety data sheet

BARDAHL MANUFACTURING CORPORATION  
1400 N.W. 52ND Street  
PO BOX 70607  
SEATTLE, WA 98127-0607  
T Office: 206-783-4851 / Toll Free: 1-888-227-3245 (888-BARDAHL) - F 206-784-3219  
[customerservice@bardahl.com](mailto:customerservice@bardahl.com)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
USA	American Association of Poison Control Centers	515 King Street, Suite 510 VA 22314 Alexandria	1-800-222-1222

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Liq. 4 H227  
Skin Sens. 1 H317  
Asp. Tox. 1 H304

Full text of H-statements: see section 16

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H227 - Combustible liquid  
H304 - May be fatal if swallowed and enters airways  
H317 - May cause an allergic skin reaction

Precautionary statements (GHS-US) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P261 - Avoid breathing vapours  
P272 - Contaminated work clothing must not be allowed out of the workplace  
P280 - Wear protective gloves, eye protection  
P301+P310 - If swallowed: Immediately call a POISON CENTER, a doctor  
P302+P352 - If on skin: Wash with plenty of soap and water  
P321 - Specific treatment (see supplemental first aid instruction on this label)  
P331 - Do NOT induce vomiting  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P363 - Wash contaminated clothing before reuse  
P370+P378 - In case of fire: Use carbon dioxide (CO2), foam, hazy water, powder to extinguish  
P403+P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up  
P501 - Dispose of contents/container to an approved waste disposal plant



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### 2.3. Other hazards

Other hazards not contributing to the classification : Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	(CAS No) 64742-48-9	90 - 100	Flam. Liq. 4, H227 Asp. Tox. 1, H304
3-butoxypropan-2-ol, propylene glycol monobutyl ether	(CAS No) 5131-66-8	1 - 4	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Terpenes and Terpenoids, sweet orange-oil	(CAS No) 68647-72-3	< 3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. Allow the victim to rest. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : Remove all contaminated clothing and footwear. Wash skin thoroughly with mild soap and water. If case of redness or irritation, call a doctor.

First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). If irritation persists, consult an eye specialist.

First-aid measures after ingestion : Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause irritation to the respiratory tract. This material or its emissions may affect the nervous system.

Symptoms/injuries after skin contact : May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion : Abdominal pain, nausea. Diarrhea. Risk of lung oedema. Death.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>). Water spray. Foam. Dry powder.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases. Hydrocarbons.

Reactivity : To our knowledge, the product does not present any particular risk, under normal conditions of use.



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### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove all sources of ignition.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Avoid contact with skin and eyes. Do not breathe vapours.

#### 6.1.2. For emergency responders

- Protective equipment : Only qualified personnel equipped with suitable protective equipment may intervene. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite, kieselguhr, powdered limestone. Shovel into suitable and closed container for disposal
- Methods for cleaning up : Wash contaminated area with large amounts of water. Dispose of contaminated materials in accordance with current regulations.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Ensure good ventilation of the work station.
- Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours. Use non-sparking tools. Remove all sources of ignition.
- Hygiene measures : Do not drink, eat or smoke in the workplace. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. If on skin, take off contaminated clothing.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container tightly closed. Store in dry, cool, well-ventilated area. Keep away from sources of ignition. Keep away from heat.
- Incompatible products : Strong acids. Oxidation agents.
- Maximum storage period : 3 years
- Special rules on packaging : Keep only in original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Hand protection : Protective gloves. Breakthrough time : refer to the recommendations of the supplier.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.



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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless
Odour	: characteristic
Odour threshold	: No data available
pH	: Not applicable
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 185 - 220 °C
Flash point	: > 61 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: 0.6 - 6.1 vol %
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: 0.8 - 0.815
Relative vapour density at 20 °C	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: > 230 °C
Decomposition temperature	: 235 - 315 °C
Viscosity	: 1.5 mm <sup>2</sup> /s (40 °C)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

To our knowledge, the product does not present any particular risk, under normal conditions of use.

#### 10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

#### 10.3. Possibility of hazardous reactions

Combustible liquid. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.

#### 10.4. Conditions to avoid

Heat. No flames, no sparks. Eliminate all sources of ignition. Avoid the build-up of electrostatic charge

#### 10.5. Incompatible materials

Strong acids. Strong oxidizers.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.



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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified  
(Based on available data, the classification criteria are not met)

<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics (64742-48-9)</b>	
LD50 oral rat	> 5000 mg/kg (OECD 401)
LD50 dermal rabbit	> 5000 mg/kg (OECD 402)
LC50 inhalation rat	> 4951 mg/m <sup>3</sup> (4h - OECD 403)

Skin corrosion/irritation : Not classified  
(Based on available data, the classification criteria are not met)  
pH: Not applicable

Serious eye damage/irritation : Not classified  
(Based on available data, the classification criteria are not met)  
pH: Not applicable

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified  
(Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified  
(Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified  
(Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified  
(Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure) : Not classified  
(Based on available data, the classification criteria are not met)

Aspiration hazard : May be fatal if swallowed and enters airways.

Symptoms/injuries after inhalation : May cause irritation to the respiratory tract. This material or its emissions may affect the nervous system.

Symptoms/injuries after skin contact : May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion : Abdominal pain, nausea. Diarrhea. Death.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics (64742-48-9)</b>	
LC50 fish	> 1000 mg/l (Onchorhyncus mykiss - 96h)
EC50 Daphnia	> 1000 mg/l (Daphnia magna, 48h)
EC50 other aquatic organisms	> 1000 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms	> 1000 mg/l IC50 algea (72 h) mg/l

#### 12.2. Persistence and degradability

<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics (64742-48-9)</b>	
Persistence and degradability	Readily biodegradable.



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### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the ozone layer : No known effects from this product.

Effect on global warming : No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Do not discharge into the sewer. Dispose of in accordance with relevant local regulations.

Additional information : Empty the packaging completely prior to disposal. Recycle or dispose of in compliance with current legislation.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

### TDG

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### KTEX 2014 USA

SARA Section 311/312 Hazard Classes

Fire hazard

Immediate (acute) health hazard

#### Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Not subject to reporting requirements of the United States SARA Section 313

#### 3-butoxypropan-2-ol, propylene glycol monobutyl ether (5131-66-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Not subject to reporting requirements of the United States SARA Section 313

#### Terpenes and Terpenoids, sweet orange-oil (68647-72-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Not subject to reporting requirements of the United States SARA Section 313



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### 15.2. International regulations

#### CANADA

**Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)**

Listed on the Canadian DSL (Domestic Substances List)

**3-butoxypropan-2-ol, propylene glycol monobutyl ether (5131-66-8)**

Listed on the Canadian DSL (Domestic Substances List)

**Terpenes and Terpenoids, sweet orange-oil (68647-72-3)**

Listed on the Canadian DSL (Domestic Substances List)

#### National regulations

**Terpenes and Terpenoids, sweet orange-oil (68647-72-3)**

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

### 15.3. US State regulations

**KTEX 2014 USA**

U.S. - California - Proposition 65 - Other information

This product does not contain any substances known to the state of California to cause cancer and/or reproductive toxicity

## SECTION 16: Other information

Data sources

: SDS of suppliers.

Full text of H-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Liq. 4	Flammable liquids, Category 4
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
H226	Flammable liquid and vapour
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects



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### HMIS III Rating

Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	: 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal Protection	: B - Safety glasses, Gloves

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*