



# Material Safety Data Sheet

K-WAX INTERNATIONAL CO., LTD  
No. 43, Sanlong St.,  
Shulin Dist., New  
Taipei City 238, Taiwan(R.O.C.)  
Tel. 886-2-86883099

## 1. Product And Company Identification

**Product Name:** K-WAX ® Windscreen Cleaner

**Responsible Party:** K-WAX INTERNATIONAL CO., LTD  
No.43, Sanlong St.,  
Shulin Dist., New Taipei  
City 238, Taiwan (R.O.C.)

**Emergency Information:** TEL. 886-2-86883099 FAX. 886-2-86883089

**SDS Date Of Preparation:** 01/30/2018

**Product Use and Uses Advised Against:** Automotive maintenance product – For consumer and professional use

## 2. Hazards Identification

Note: This product is a consumer product and is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.

### GHS Classification:

<b>Physical:</b> Non-Hazardous	<b>Health:</b> Skin Irritant Category 2
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### GHS Label Elements:



### WARNING!

Statements of Hazard	Precautionary Phrases
Causes skin irritation	Wash exposed skin thoroughly after handling. Wear protective gloves. IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.



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## 3. Composition/Information On Ingredients

Component	CAS No.	Amount
Isopropyl Alcohol	67-63-0	20-30%
Ethylene glycol	107-21-1	<5%
2-Butoxyethanol	111-76-2	<1%
Distilled Water	7732-18-5	Balance

The exact concentrations are a trade secret.

## 4. First Aid Measures

**Inhalation:** If symptoms of exposure develop, remove to fresh air. Seek medical attention if breathing problems or irritation persist.

**Skin Contact:** Wash exposed skin with soap and water. If skin irritation or redness develop, seek medical attention.

**Eye Contact:** Flush eyes with large amounts of water for several minutes. If irritation or other symptoms persist, seek medical attention.

**Ingestion:** If large quantities are ingested, get medical assistance by calling an emergency room or poison control center. Never give anything by mouth to a person who is unconscious or drowsy.

**Most Important Symptoms:** May cause mild eye and skin irritation. Mists may cause mild respiratory irritation.

**Indication of Immediate Medical Attention/Special Treatment:** None known.

## 5. Firefighting Measures

**Suitable (and Unsuitable) Extinguishing Media:** Use water fog, alcohol foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

**Specific Hazards Arising from the Chemical:** Contents under pressure. Keep away from ignition source and open flames. Exposure of containers to heat and flames can cause them to rupture, often with violent force. Flammable liquid and vapor. Burning may produce carbon monoxide and carbon dioxide.

**Special Fire Fighting Procedures:** Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting cans.

## 6: Accidental Release Measures

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Eliminate all sources of ignition. Ventilate area with explosion proof equipment. Wear appropriate protective clothing and equipment.

**Methods and Materials for Containment and Clean-Up:** Place leaking can in a pail in a well-ventilated area away from ignition sources until pressure has dissipated. Collect liquid using non-combustible absorbents and place into a suitable container for disposal.

**Environmental Precautions:** Prevent entry into storm sewers and waterways. Report spill as required by local and national regulations.



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## 7. Handling and Storage

**Precautions for Safe Handling:** Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use with adequate ventilation. Keep away from heat, sparks, hot surfaces and open flames. No smoking in storage or product use area. Wash thoroughly with soap and water after handling. Keep out of the reach of children. Contents under pressure; do not puncture or incinerate containers.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. **U.F.C. (NFPA 30B) Level 1 Aerosol.**

## 8. Exposure Controls / Personal Protection

### Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
Isopropyl Alcohol	TWA: 200 STEL: 400 (ppm) from ACGIH (TLV)
Ethylene glycol	TWA: 100 (mg/m <sup>3</sup> ) from ACGIH (TLV)
2-Butoxyethanol	TWA: 20 (ppm) from ACGIH (TLV)

**Appropriate Engineering Controls:** General ventilation should be adequate for normal use. For operations where the TLVs may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits. Use explosion proof equipment where required.

### Personal Protective Equipment

**Respiratory Protection:** None under normal use conditions. For operations where the TLVs may be exceeded, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134; all applicable laws and regulations; and good industrial hygiene practice.

**Gloves:** None under normal use conditions. Impervious gloves are recommended for prolonged or repeated skin contact.

**Eye Protection:** None under normal use conditions. Safety glasses are recommended to avoid eye contact.

**Other Protective Equipment/Clothing:** Appropriate protective clothing as needed to avoid prolonged/ repeated skin contact.

## 9. Physical and Chemical Properties

**Appearance And Odor:** Blue liquid with alcohol odor liquid

<b>Physical State:</b> Liquid	<b>Odor Threshold:</b> alcohol odor
<b>pH:</b> 8.0-9.0 @ 20°C (pH Neutral)	<b>Specific Gravity:</b> ~1.0
<b>Initial Boiling Point/Range:</b> 100 °C (same as water)	<b>Vapor Pressure:</b> Same as water
<b>Melting/Freezing Point:</b> Not determined	<b>Vapor Density:</b> Same as water
<b>Solubility in Water:</b> Not determined	<b>Percent Volatile:</b> Not determined



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<b>Viscosity:</b> Not determined	<b>Evaporation Rate:</b> Not determined
<b>Relative Density:</b> Not determined	<b>VOC Content:</b> Not determined
<b>Coefficient Of Water/Oil Distribution:</b> Not determined	<b>Autoignition Temp:</b> Not determined
<b>Flash Point:</b> 78°C	<b>Flame extension:</b> Not determined
<b>Flammability Limits:</b> LEL: Not applicable UEL: Not applicable	<b>Flammability (solid, gas):</b> Not applicable
<b>Decomposition Temperature:</b> Not available	

## 10. Stability and Reactivity

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Conditions to Avoid:** Keep away from excessive heat, sparks and open flames. Containers may rupture at temperatures > 120°F (48.8°C).

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Burning may produce carbon monoxide and carbon dioxide.

## 11. Toxicological Information

### Potential Health Effects:

#### Acute Hazards:

**Inhalation:** Mist can irritate the throat and respiratory tract. Prolonged inhalation of propellant may cause symptoms of central nervous system depression including headache, dizziness, nausea, loss of balance, and drowsiness.

**Skin Contact:** Prolonged or repeated exposures may cause mild skin irritation.

**Eye Contact:** Direct contact may cause mild eye irritation with redness and tearing.

**Ingestion:** Ingestion is an unlikely route exposure for aerosol products. Swallowing may cause gastrointestinal disturbances.

**Chronic Effects:** None known

**Carcinogenicity Listing:** None of the components listed at 0.1% or greater is a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA

### Numerical Measures of Toxicity:

Isopropyl Alcohol: LD50 Oral Rat: 5045 mg/kg  
LD50 Skin Rabbit: 12,800 mg/kg  
LC50 Inhalation Rat: 72.6 mg/L/4h

2-Butoxyethanol: LD50 Oral Rat: 1,300 mg/kg  
LD50 Skin Rabbit: >2000 mg/kg  
LC50 Inhalation Rat: >4.9 mg/L /3h



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Ethylene glycol

LD50 Oral Rat: 4,700 mg/kg  
LC50 Inhalation Rat: >200 mg/L /4h

## 12. Ecological Information

**Ecotoxicity:** No ecotoxicity data is currently available for product.  
Isopropyl Alcohol: LC50 Fathead Minnow 6550 mg/L/96 hr.  
2-Butoxyethanol: LD50: Oncorhynchus mykiss >1,474 mg/L/96 hr.

**Persistence and Degradability:** No data available for product.  
Isopropyl Alcohol: In adults, the elimination half-life ranges from 2.9 to 16.2 hours.  
2-Butoxyethanol: 90.4 % (28 d) Readily biodegradable

**Bio accumulative Potential:** No data available for product.  
Isopropyl Alcohol: In adults, the elimination half life ranges from 2.9 to 16.2 hours.  
2-Butoxyethanol: Potential to bioaccumulate is low

**Mobility in Soil:** No data available for product.  
Isopropyl alcohol: Highly mobile in soil.  
2-Butoxyethanol: No data available

**Other Adverse Effects:** No data available

## 13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations. Offer empty containers for recycling.

## 14. Transport Information

**General Transportation Statement** This product does not require classification by DOT, IATA, ICAO or IMDG.

## 15. Regulatory Information

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory) All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### SARA 313

This product does not contain listed substances above the "de minimus" level

### SARA 311/312 Hazard Categories

Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden release of pressure hazard:	No
Reactive Hazard:	No

### California Proposition 65

This product is not subject to warning requirements under California Proposition 65.



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## 16. Other Information

NFPA Rating (NFPA 704):      Health: 1      Fire: 0      Instability: 0  
HMIS Rating:                      Health: 1      Fire: 0      Physical Hazard: 0

REVISION SUMMARY: May 3, 2021 Update to GHS SDS format and name change: Changes to all sections.

DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH