SAFETY DATA SHEET

CAR CARE INTERNATIONAL LTD.

Issuing Date 14-Jan-2015 **Revision Date** 14-Jan-2015 **Revision Number** 0

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Code(s) 001D7918

Product Name **Rain-X Headlight Restoration Kit - Lubricant**

Synonyms Glass & Plastic Cleaner

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

Recommended Use No information available

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Importer	**Company**
Kraco Car Care International Ltd.	Kraco Car Care International Ltd.
Grosvenor House	Grosvenor House
20 Barrington Road	20 Barrington Road
WA14 1HB	WA14 1HB
Altrincham	Altrincham
Cheshire	Cheshire
United Kingdom	United Kingdom
TEL: +44 (0) 161 88 40084	TEL: +44 (0) 161 88 40084

For further information, please contact

E-mail Address KCCI-orders@Kraco.com

1.4. Emergency telephone number

Emergency Telephone Number +44 7071 223 738

Europe	112

Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Physical Hazards

Flammable liquids	Category 3

Classification according to EU Directives 67/548/EEC or 1999/45/EC

R-code(s) R10

For the full text of the R-phrases mentioned in this Section, see Section 16

2.2. Label Elements

Signal Word **Warning**

Hazard Statements
H226 - Flammable liquid and vapor

Precautionary Statements - EU (§28, 1272/2008)
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Precautionary Statements
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
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower
P403 + P235 - Store in a well-ventilated place. Keep cool
P370 + P378 - In case of fire: Use carbon dioxide for extinction
Dispose of contents/ container to an approved landfill

2.3. Other information

May be irritating to eyes, respiratory system and skin

Section 3. Composition/information on ingredients

3.1. Substances

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Isopropyl alcohol	Present	67-63-0	1-5	F;R11 Xi;R36 R67	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)	No data available
2-Butoxyethanol	Present	111-76-2	1-3	Xn; R20/21/22 Xi; R36/38	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Acute Tox. 4 (H332) Eye Irrit. 2 (H319)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16
For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/ attention.
Skin Contact	Wash skin with soap and water. Get medical attention if irritation persists.
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
Inhalation	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Protection of First-aiders	Remove all sources of ignition.

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

Most Important Symptoms/Effects None.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media
Use: Carbon dioxide (CO_2). Foam. Water spray. Dry chemical.

Extinguishing media which must not be used for safety reasons
Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
Flammable. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

5.3. Advice for firefighters

Special protective equipment for fire-fighters
As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Evacuate personnel to safe areas. Take precautionary measures against static discharges.

6.2. Environmental precautions

Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Dike to collect large liquid spills.

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Non-sparking tools should be used. Clean up promptly by sweeping or vacuum.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling
Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Wash thoroughly after handling.

Hygiene Measures
When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities
Keep tightly closed in a dry and cool place. Keep in properly labeled containers.

7.3. Specific end use(s)
Exposure Scenario
No information available.

Other Guidelines
No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Isopropyl alcohol 67-63-0		STEL: 500 ppm STEL: 1250 mg/m³ TWA: 400 ppm TWA: 999 mg/m³	STEL: 400 ppm STEL: 980 mg/m³	STEL: 400 ppm STEL: 1000 mg/m³ TWA: 200 ppm TWA: 500 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ Ceiling / Peak: 400 ppm Ceiling / Peak: 1000 mg/m³
2-Butoxyethanol 111-76-2	S* TWA 20 ppm TWA 98 mg/m³ STEL 50 ppm STEL 246 mg/m³	STEL: 50 ppm STEL: 246 mg/m³ TWA: 25 ppm TWA: 123 mg/m³ Skin	TWA: 10 ppm TWA: 49 mg/m³ STEL: 50 ppm STEL: 246 mg/m³	S* STEL: 50 ppm STEL: 245 mg/m³ TWA: 20 ppm TWA: 98 mg/m³	TWA: 10 ppm TWA: 49 mg/m³ Ceiling / Peak: 20 ppm Ceiling / Peak: 98 mg/m³ Skin

Component	Italy	Portugal	The Netherlands	Finland	Denmark
Isopropyl alcohol 67-63-0 (1-5)		STEL: 400 ppm TWA: 200 ppm		TWA: 200 ppm TWA: 500 mg/m³ STEL: 250 ppm STEL: 620 mg/m³	TWA: 200 ppm TWA: 490 mg/m³
2-Butoxyethanol 111-76-2 (1-3)	TWA: 20 ppm TWA: 98 mg/m³ STEL: 50 ppm STEL: 246 mg/m³ Skin	TWA: 20 ppm	Skin STEL: 246 mg/m³ TWA: 100 mg/m³	TWA: 20 ppm TWA: 98 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Skin	TWA: 20 ppm TWA: 98 mg/m³ Skin

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Isopropyl alcohol 67-63-0	STEL 800 ppm STEL 2000 mg/m³ TWA: 200 ppm TWA: 500 mg/m³	STEL: 400 ppm STEL: 1000 mg/m³ TWA: 200 ppm TWA: 500 mg/m³	STEL: 1200 mg/m³ TWA: 900 mg/m³	TWA: 100 ppm TWA: 245 mg/m³ STEL: 150 ppm STEL: 306.25 mg/m³	TWA: 200 ppm STEL: 400 ppm Skin
2-Butoxyethanol 111-76-2	Skin STEL 40 ppm STEL 200 mg/m³ TWA: 20 ppm TWA: 98 mg/m³	Skin STEL: 20 ppm STEL: 98 mg/m³ TWA: 10 ppm TWA: 49 mg/m³	STEL: 200 mg/m³ TWA: 98 mg/m³ Skin	TWA: 10 ppm TWA: 50 mg/m³ Skin STEL: 20 ppm STEL: 75 mg/m³	TWA: 20 ppm TWA: 98 mg/m³ STEL: 50 ppm STEL: 246 mg/m³ Skin

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Isopropyl alcohol 67-63-0				40 mg/L urine end of workweek Acetone 1,F,I	25 mg/L whole blood end of shift Acetone 25 mg/L urine end of shift Acetone
2-Butoxyethanol 111-76-2				200 mg/g Creatinine urine end of shift Butoxyacetic acid (with hydrolysis) 2,9	100 mg/L urine end of several shifts Butoxyacetic acid for long-term exposures

Component	Italy	Portugal	Netherlands	Finland	Denmark
Isopropyl alcohol 67-63-0 (1-5)	(ACGIH:) 40 mg/L urine end of shift at end of workweek Acetone Background, nonspecific				
2-Butoxyethanol 111-76-2 (1-3)	(ACGIH:) 200 mg/g Creatinine urine end of shift Butoxyacetic acid (with hydrolysis)				

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Isopropyl alcohol 67-63-0		25 mg/L urine end of shift Acetone 25 mg/L whole blood end of shift Acetone			
2-Butoxyethanol 111-76-2		100 mg/L urine end of shift, and after several shifts (for long-term exposures) Butoxyacetic acid N 200 mg/L urine after several shifts (for long-term exposures) total Butoxy acetic acid			

Component	Romania	Slovakia	Latvia	Bulgaria
Isopropyl alcohol 67-63-0 (1-5)	50 mg/L urine end of shift Acetone			

Derived No Effect Level No information available
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures None under normal use conditions. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye Protection Safety glasses with side-shields.
Skin and Body Protection None required under normal usage.
Hand Protection Protective gloves.
Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Environmental Exposure Controls No information available.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Liquid. **Appearance** Clear
Odor Alcohol-like.

Property	Values	Remarks/ - Method

pH	2.5 - 4.0	None known
Melting Point/Range	Not applicable	None known
Boiling Point/Boiling Range	82 °C	None known
Flash Point	51 °C	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	1 @ 25°C	None known
Water Solubility	Soluble in water.	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Flammable; may be ignited by heat, sparks or flames.	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other information

VOC Content (%)	No information available
Flammability Limits in Air	No information available.

Section 10. Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
None under normal processing.

10.4. Conditions to avoid
Heat, flames and sparks.

10.5. Incompatible materials
Strong oxidizing agents.

10.6. Hazardous decomposition products
Carbon oxides.

Section 11. Toxicological information

11.1.

Acute Toxicity

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	There is no data available for this product.
Eye Contact	There is no data available for this product.
Skin Contact	There is no data available for this product.
Ingestion	There is no data available for this product.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isopropyl alcohol	= 4396 mg/kg (Rat)	12800 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat) 4 h

2-Butoxyethanol	= 470 mg/kg (Rat)	= 400 mg/kg (Rabbit) = 2270 mg/kg (Rat)	= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h

Sensitization No information available.
Mutagenic Effects No information available.
Carcinogenic Effects No information available.

Reproductive Toxicity No information available.
Developmental Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Target Organ Effects None under normal use conditions
Aspiration Hazard No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects
Not classified

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Isopropyl alcohol	EC50 96 h: > 1000 mg/L (Desmodesmus subspicatus) EC50 72 h: > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 11130 mg/L static (Pimephales promelas) LC50 96 h: = 9640 mg/L flow-through (Pimephales promelas) LC50 96 h: > 1400000 µg/L (Lepomis macrochirus)		EC50 48 h: = 13299 mg/L (Daphnia magna)
2-Butoxyethanol		LC50 96 h: = 1490 mg/L static (Lepomis macrochirus) LC50 96 h: = 2950 mg/L (Lepomis macrochirus)		EC50 24 h: 1698 - 1940 mg/L (Daphnia magna) EC50 48 h: > 1000 mg/L (Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential.

No information available.

Chemical Name	Log Pow
Isopropyl alcohol	0.05
2-Butoxyethanol	0.81

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products	Dispose of in accordance with the European Directives on waste and hazardous waste.
Contaminated Packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
Other Information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

14.1. UN-Number	UN1993
14.2. Proper Shipping Name	Flammable liquid, n.o.s.
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol), 3, III, (51°C c.c.), Limited Quantity
14.5. Marine Pollutant	None.
14.6. Special Provisions	None.
EmS No.	F-E, S-E
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	UN1993
14.2. Proper Shipping Name	Flammable liquid, n.o.s.
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol), 3, III, Limited Quantity
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
Classification Code	F1

ADR

14.1. UN-Number	UN1993
14.2. Proper Shipping Name	Flammable liquid, n.o.s.
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol), 3, III, (D/E), Limited Quantity
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
Classification Code	F1
Tunnel Restriction Code	(D/E)

ICAO

14.1. UN-Number	UN1993
14.2. Proper shipping name	Flammable liquid, n.o.s.
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol), 3, III
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

IATA

14.1. UN-Number	UN1993
14.2. Proper Shipping Name	Flammable liquid, n.o.s.
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol), 3, III
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
ERG Code	3L

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Not determined
IECSC	Complies
AICS	Complies
KECL	Complies

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment
No information available

Section 16. Other information

Full text of R-phrases referred to under Sections 2 and 3
R11 - Highly flammable
R36 - Irritating to eyes
R67 - Vapors may cause drowsiness and dizziness

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed
R36/38 - Irritating to eyes and skin

Full text of H-Statements referred to under sections 2 and 3
H225 - Highly flammable liquid and vapor
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness

Key literature references and sources for data
www.ChemADVISOR.com/

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Revision Note	Initial Release.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet