SAFETY DATA SHEET

PRODUCT NAME: HEADLIGHT RESTORATION KIT PART 1

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name	**REVENG GLOBAL AUTOMOTIVE TECHNOLOGY**
Address	PO BOX 202, CAMDEN, 2570, NSW, AUSTRALIA
Emergency	000 041948889 **www.reveng.net.au**
Synonym(s)	HEADLIGHT RESTORATION KIT PART 1
Use(s)	CLEANING HEADLIGHTS
SDS Date	1st AUGUST 2019

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

RISK PHRASES

R20, R22, R38, R41. Harmful by Inhalation. Harmful in contact with skin, Irritating to skin, Risk of serious damage to eyes.

SAFETY PHRASES

S2	Keep out of reach of children.
S23	Do not breathe in fumes
S24	Avoid contact with skin
S25	Avoid contact with eyes
S37	Wear suitable gloves
S62	If swallowed, do not induce vomiting; seek medical advice immediately.

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No. None Allocated **DG Class** None Allocated **Subsidiary Risk(s)** None Allocated

Packing Group None Allocated **Hazchem Code** None Allocated

3. COMPONENTS CONTRIBUTING TO THE HAZARD

Ingredient	Formula	CAS No.	Content
BUTYL GLYCOL	Not Available	111-76-2	1-10%
SODIUM METASILICATE PENTAHYDRATE	Not Available	10213-79-3	1-10%
SODIUM HYDROXIDE	Not Available	1310-73-2	0-1%
SODIUM DODECYLBENZENE SULFONATE	Not Available	25155-30-0	1-5%

4. FIRST AID MEASURES

Eye	Wash under running water for at least 15 minutes. Retracting eyelids frequently, Remove contact lenses. Consult a doctor soon as possible and show SDS.
Inhalation	Move to a well-ventilated area, and place in comfortable position to enable good breathing.
Skin	In cases of irritation or burns, wash with plenty of soap and water, and temporarily discontinue use of the material. Seek medical advice if necessary.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting. Rinse mouth well with water and offer some milk.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability	Water solution: Liquid is not combustible. Not a combustible material.
Hazchem Code	None Allocated

6. ACCIDENTAL RELEASE MEASURES

Only at point of bulk production

7. STORAGE AND HANDLING

Storage	Always store in original package, under cover and in temperatures not exceeding 45 degrees Celsius. Never expose to direct heat or sunlight.
Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Control	Avoid eye and skin contact, do not swallow.
Biological Limits	No biological limit allocated.
Engineering Controls	Avoid inhalation. Use in well ventilated areas.
PPE	Wear safety goggles and nitrile or viton (R) gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	WHITE SACHET	**Solubility (water)**	SOLUBLE
Odour	SLIGHT ODOUR		
Boiling Point	180degC	**Flammability**	NON-**COMBUSTIBLE**

10.STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended conditions of storage. 24 months shelf life.
Conditions to Avoid	Extreme heat
Material to Avoid	Incompatible with oxidising agents.
Hazardous Decomposition Products	Not known.
Hazardous Reactions	

11.TOXICOLOGICAL INFORMATION

Health Hazard Summary	Moderate toxicity - irritant. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and inhalation. Chronic exposure to some solvents may result in central nervous system (CNS), liver and kidney damage.
Eye	Irritant. Corrosive .
Inhalation	Irritant. Over exposure may result in irritation of the nose and throat, coughing, nausea, headache, fatigue, loss of appetite and vomiting. High level exposure may result in dizziness, breathing difficulties, pulmonary oedema and unconsciousness. Chronic exposure may result in kidney, liver and CNS damage.
Skin	Irritant. Corrosive
Ingestion	Toxic if ingested. Ingestion may result in nausea, vomiting, abdominal pain, dizziness, fatigue and diarrhea. Ingestion of large quantities may result in liver and kidney damage, and unconsciousness. Aspiration into lungs may cause chemical pneumonitis and pulmonary oedema.
Toxicity Data	**Butyl Glycol, Sodium Metasilicate Pentahydrate, Sodium Dodecylbenzene Sulfonate**

12. ECOLOGICAL INFORMATION

Environment	Waster hazard class 1, slightly hazardous for water. Air: No damage to the atmosphere expected. The used package should be disposed of according to local regulations Not expected to be toxic to aquatic organisms when highly diluted Most ingredients are biodegradable**.**

13.DISPOSAL CONSIDERATIONS

Waste Disposal	Smaller quantities can be disposed of with household waste
Legislation	Dispose of in accordance with relevant local legislation.

14.TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

Shipping Name UN No.	None Allocated **DG Class**	None Allocated	**Subsidiary Risk(s)** None Allocated
Packing Group	None Allocated **Hazchem Code** None Allocated		

15.REGULATORY INFORMATION

Poison Schedule Classified as a Schedule 5 (S5) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

RESPIRATORS: In general, the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

WORK PRACTICES - SOLVENTS: Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

ABBREVIATIONS:
ACGIH - American Conference of Industrial Hygienists.
ADG - Australian Dangerous Goods.
BEI - Biological Exposure Indice(s).
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.
CNS - Central Nervous System.
EC No - European Community Number.
HSNO - Hazardous Substances and New Organisms.
IARC - International Agency for Research on Cancer.
mg/m3 - Milligrams per Cubic Metre.
NOS - Not Otherwise Specified.
pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm - Parts Per Million.
RTECS - Registry of Toxic Effects of Chemical Substances.
STEL - Short Term Exposure Limit.
SWA - Safe Work Australia.
TWA - Time Weighted Average.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

SDS Date 1ST AUGUST 2019

End of Report

SAFETY DATA SHEET

PRODUCT NAME: HEADLIGHT RESTORATION KIT PART 2

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name	**REVENG GLOBAL AUTOMOTIVE TECHNOLOGY**
Address	PO BOX 202, CAMDEN, 2570, NSW, AUSTRALIA
Emergency	000
	041948889
	www.reveng.net.au
Synonym(s)	HEADLIGHT RESTORATION KIT PART 2
Use(s)	HEADLIGHT SEALANT
SDS Date	1st AUGUST 2019

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

RISK PHRASES

R10, R66, R67 Flammable. Repeated exposure may cause skin dryness and cracking. Vapours may cause drowsiness and dizziness

SAFETY PHRASES

S2	Keep out of reach of children.
S23	Do not breathe in fumes
S24	Avoid contact with skin
S25	Avoid contact with eyes
S37	Wear suitable gloves
S62	If swallowed, do not induce vomiting; seek medical advice immediately.

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No. None Allocated **DG Class** None Allocated **Subsidiary Risk(s)** None Allocated

Packing Group None Allocated **Hazchem Code** None Allocated

3. COMPONENTS CONTRIBUTING TO THE HAZARD

Ingredient	Formula	CAS No.	Content
NAPHTHA (PETROLEUM) HYDROTREATED HEAVY	Not Available	64742-48-9	50-75%
NAPHTHA (PETROLEUM) HYDROTREATED HEAVY	Not Available	64742-48-9	15-20%
2-BUTANONE OXIME	Not Available	96-29-7	0-1%

4. FIRST AID MEASURES

Eye	Wash under running water for at least 15 minutes. Retracting eyelids frequently, Remove contact lenses. Consult a doctor soon as possible and show SDS.
Inhalation	Move to a well-ventilated area, and place in comfortable position to enable good breathing.
Skin	In cases of irritation or burns, wash with plenty of soap and water, and temporarily discontinue use of the material. Seek medical advice if necessary.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting. Rinse mouth well with water.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability	Recommended: alcohol – resistant foam, C02. Powders. DO NOT USE WATER JET. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
Hazchem Code	None Allocated

6. ACCIDENTAL RELEASE MEASURES

Only at point of bulk production. Soak up the inert absorbent material.

7. STORAGE AND HANDLING

Storage	Always store in original package, under cover and in temperatures not exceeding 45 degrees Celsius. Never expose to direct heat or sunlight. Before use carefully read the product label.
Handling	Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Handle in accordance with good industrial hygiene and safety practice. The material has a TWA value of 380 and STEL value not set. Values expressed as mg/m3. Exposure values at the STEL (Short Term Exposure Limit) in an exposure value that should not be exceeded for more than 15 minutes. Exposure values the TWA (Time Weighted Average) means the average airborne concentration of a particular substance when calculated over a normal 8 hours working days for a 5-day working week. See ingredients section of page 1 of this data sheet

Exposure Control	Avoid eye and skin contact, do not swallow.
Biological Limits	No biological limit allocated.
Engineering Controls	Avoid inhalation. Use in well ventilated areas.
PPE	Wear safety goggles and nitrile or viton (R) gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	WHITE SACHET	**Volatile Materials**	98% below 200degC
Odour	SLIGHT ODOUR	**Not Corrosive**	pH 6-7
Boiling Point	180degC		
Flash Point	33degC		

10.STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended conditions of storage. 24 months shelf life.
Conditions to Avoid	Extreme heat
Material to Avoid	None known.
Hazardous Decomposition Products	No decomposition if stored and applied as directed
Hazardous Reactions	This product contains no substance classified as hazardous to health in concentrations that should be taken into account.

11.TOXICOLOGICAL INFORMATION

Health Hazard Summary	Low toxicity - irritant. Avoid contact with eyes, mouth, skin. Do not inhale or ingest.
Eye	Irritant .
Inhalation	Irritant. Over exposure may result in irritation of the nose and throat, coughing, nausea, headache, fatigue, loss of appetite and vomiting. High level exposure may result in dizziness, breathing difficulties, pulmonary oedema and unconsciousness.
Skin	Irritant.
Ingestion	Toxic if ingested in large amounts. Ingestion may result in nausea, vomiting, abdominal pain, dizziness, fatigue and diarrhea. Ingestion of large quantities may result in liver and kidney damage, and unconsciousness. Aspiration into lungs may cause chemical pneumonitis and pulmonary oedema.
Toxicity Data	**Naphtha (petroleum) hydrotreated heavy, 2-Butanone oxime.**

12. ECOLOGICAL INFORMATION

Environment	Ecological injuries are not known or expected under normal use.

13.DISPOSAL CONSIDERATIONS

Waste Disposal	Smaller quantities can be disposed of with household waste
Legislation	Dispose of in accordance with relevant local legislation.

14.TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

Shipping Name	None Allocated				
UN No.	None Allocated	**DG Class**	None Allocated	**Subsidiary Risk(s)**	None Allocated
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SDS Date 1ST AUGUST 2019

End of Report