

MK37-413 MCKEE'S 37 TIRE & RUBBER REJUVENATOR

Safety Data Sheet

Date of issue: 08/17/2018

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : MK37-413 MCKEE'S 37 TIRE & RUBBER REJUVENATOR
Product code : MK37-413

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

CARCARECO PTY LTD
1/10 ACCESS WAY
CARRUM DOWNS, VIC 3201
Customer Service – 1300 323 150

1.4. Emergency telephone number

Emergency number 131126

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin corrosion/irritation H314 Causes severe skin burns and eye damage
Category 1A

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US)



:

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : H314 - Causes severe skin burns and eye damage

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Precautionary statements (GHS-US)

: P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash ... thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a poison center/doctor/...
P321 - Specific treatment (see ... on this label)
P363 - Wash contaminated clothing before reuse
P405 - Store locked up
P501 - Dispose of contents/container to ...

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	GHS-US classification
disodium metasilicate	(CAS No) 6834-92-0	3 - 5	Skin Corr. 1A, H314 STOT SE 3, H335
potassium hydroxide, 0.5% ≤ conc < 2%, aqueous solutions	(CAS No) 1310-58-3	1 - 2	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
dipropylene glycol monomethyl ether	(CAS No) 34590-94-8	1 - 2	Flam. Liq. 4, H227

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Remove the victim into fresh air. If not breathing give artificial respiration. Get immediate medical advice/attention. Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: If skin irritation or rash occurs: Get medical advice/attention. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.
First-aid measures after eye contact	: Move victim away from exposure and into fresh air. Rinse immediately with plenty of water for 15 minutes. Get medical advice/attention. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Rinse eyes with water as a precaution.

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First-aid measures after ingestion : Do not induce vomiting. Call a physician or poison control center immediately. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and Symptoms/injuries : Based on available data, the classification criteria are not met. symptoms
: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry chemical powder. Foam. Dry powder. Carbon dioxide. Water spray. Sand. Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Cool tanks/drums with water spray/remove them into safety. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Complete protective clothing. Self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Absorb spill on vermiculite floor absorbent or other absorbent material.

6.1.1. For non-emergency personnel

Protective equipment : Protective clothing. Protective goggles.
Emergency procedures : If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, material to containers for disposal. Close container tightly and dispose of properly. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Ventilate area.

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

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Containers of this material may be hazardous when emptied. All hazard precautions give should be observed.
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Handle and open the container with care. Treat empty drums with caution. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Emptied containers may retain product residues. Precautions apply to emptied containers. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Keep cool.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

disodium metasilicate (6834-92-0)		
Not applicable		
potassium hydroxide, 0.5% ≤ conc < 2%, aqueous solutions (1310-58-3)		
ACGIH	ACGIH Ceiling (mg/m³)	2 mg/m³
dipropylene glycol monomethyl ether (34590-94-8)		
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	100 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Environmental exposure controls
	: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves

Eye protection:

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Chemical goggles or safety glasses. Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear Liquid.
Color	: Clear Liquid
Odor	: Butyl
Odor threshold	: No data available
pH	: 11 - 12
Melting point	: No Data
Freezing point	: No data available
Boiling point	: 212 °F
Flash point	: > 200 °F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: 140 @ 130.0 F
Relative vapor density at 20 °C	: No data available
Relative density	: H2O = <1
Solubility	: Soluble in water.
Log Pow	: No data available
Auto-ignition temperature	: No data available

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Decomposition temperature	:	No data available
Viscosity	:	
	:	>= 95 cP
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	
	:	No data available
Explosion limits	:	
	:	No data available
Explosive properties	:	
	:	No data available
Oxidizing properties	:	
	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions. Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

disodium metasilicate (6834-92-0)	
LD50 dermal rat > 5000 mg/kg body weight	(Rat; Read-across; OECD 402: Acute Dermal Toxicity)
potassium hydroxide,0.5%<=conc<2%,aqueous solutions (1310-58-3)	
ATE US (oral)	500 mg/kg body weight

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dipropylene glycol monomethyl ether (34590-94-8)	
LD50 oral rat	5135 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >5000 mg/kg; Rat; Experimental value)
LD50 dermal rat	9500 mg/kg (Rat; Literature study; Equivalent or similar to OECD 402; >19020 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	9500 mg/kg (Rabbit; Literature study)
ATE US (oral)	5135 mg/kg body weight
ATE US (dermal)	9500 mg/kg body weight

Skin corrosion/irritation : Causes severe skin burns and eye damage.

pH: 11 - 12

Serious eye damage/irritation : Not classified pH: 11 - 12

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated : Not classified exposure

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

disodium metasilicate (6834-92-0)	
LC50 fish 1	210 mg/l (96 h; Brachydanio rerio)
EC50 Daphnia 1	216 mg/l (96 h; Daphnia magna; GLP)
LC50 fish 2	2320 mg/l (96 h; Gambusia affinis)
EC50 Daphnia 2	632 mg/l (96 h; Lymnaea sp.)
Threshold limit algae 1	207 mg/l (72 h; Scenedesmus subspicatus; GLP)

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potassium hydroxide,0.5%<=conc<2%,aqueous solutions (1310-58-3)	
LC50 fish 1	100 - 1000 mg/l (96 h; Pisces)
LC50 other aquatic organisms 1	100 - 1000 mg/l (96 h)
Threshold limit other aquatic organisms 1	100 - 1000,96 h

dipropylene glycol monomethyl ether (34590-94-8)	
LC50 fish 1	> 10000 mg/l (96 h; Pimephales promelas; GLP)
LC50 other aquatic organisms 1	> 1000 mg/l (96 h; Crangon crangon)

dipropylene glycol monomethyl ether (34590-94-8)	
LC50 fish 2	> 150 mg/l (72 h; Pisces)
Threshold limit other aquatic organisms 1	> 1000 mg/l (96 h; Crangon crangon)
Threshold limit algae 1	969 mg/l (72 h; Selenastrum capricornutum; GLP)
Threshold limit algae 2	> 969 mg/l (72 h; Selenastrum capricornutum; GLP)

12.2. Persistence and degradability

MK37-413 US MCKEE'S 37 TIRE & RUBBER REJUVENATOR	
Persistence and degradability	Not established.

disodium metasilicate (6834-92-0)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

potassium hydroxide,0.5%<=conc<2%,aqueous solutions (1310-58-3)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the components available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

dipropylene glycol monomethyl ether (34590-94-8)	
Persistence and degradability	Readily biodegradable in water. No (test)data on mobility of the substance available. Photolysis in the air.
Biochemical oxygen demand (BOD)	0 g O ₂ /g substance
ThOD	2.06 g O ₂ /g substance
BOD (% of ThOD)	0 % ThOD

12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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disodium metasilicate (6834-92-0)

Bioaccumulative potential	Bioaccumulation: not applicable.
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potassium hydroxide,0.5%<=conc<2%,aqueous solutions (1310-58-3)

Bioaccumulative potential	Not bioaccumulative.
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dipropylene glycol monomethyl ether (34590-94-8)

Log Pow	0.0043 (Experimental value; OECD 102: Melting Point/Melting Range; 25 °C)
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Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

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

: Avoid release to the environment.

Other information

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description	: UN3253 Disodium trioxosilicate, 8, III
UN-No.(DOT)	: UN3253
Proper Shipping Name (DOT)	: Disodium trioxosilicate
Class (DOT)	: 8 - Class 8 - Corrosive material 49 CFR 173.136
Packing group (DOT)	: III - Minor Danger
Hazard labels (DOT)	: 8 - Corrosive

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DOT Packaging Non Bulk (49 CFR 173.xxx)	: 213
DOT Packaging Bulk (49 CFR 173.xxx)	: 240
DOT Special Provisions (49 CFR 172.102)	: IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner. T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2) TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 25 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 100 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 52 - Stow "separated from" acids
Emergency Response Guide (ERG) Number	: 154
Other information	: No supplementary information available. TDG

Transport by sea

Transport document description (IMDG)	: UN 3253 DISODIUM TRIOXOSILICATE, 8, III
UN-No. (IMDG)	: 3253
Proper Shipping Name (IMDG)	: DISODIUM TRIOXOSILICATE
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5 kg

Air transport

Transport document description (IATA)	: UN 3253 Disodium trioxosilicate, 8, III
UN-No.(IATA)	: 3253
Proper Shipping Name (IATA)	: Disodium trioxosilicate
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: III - Minor Danger

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SECTION 15: Regulatory information

15.1. US Federal regulations

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Not listed on the United States TSCA (Toxic Substances Control Act) inventory

disodium metasilicate (6834-92-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA
No additional information available

EU-Regulations
No additional information available

National regulations
No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

Full text of H-phrases:

H227	Combustible liquid
H302	Harmful if swallowed
H314 7/2018	Causes severe skin burns and eye damage EN (English US)

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H335	May cause respiratory irritation
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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