



Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.30.2016

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Revision date: 07.02.2020

Rim Ease

SECTION 1: Identification

Product identifier

Product name: Rim Ease

Product code: 720, 720-5G, 720-55G

Additional information: Rev 3

Recommended use of the product and restriction on use

Relevant identified uses: Tire lubricant

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

North America

Tech International

200 East Coshocton Street

Johnstown, OH 43031

1-740-967-9015

www.tech-international.com

Emergency telephone number:

United States

CHEMTREC

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1-703-527-3887

SECTION 2: Hazard(s) identification

GHS classification: Not a hazardous substance or mixture

Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements: None

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 111-42-2	2,2'-Iminodiethanol	<0.1

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CAS number: Proprietary	Trade Secret 1	<5
CAS number: Proprietary	Trade Secret 2	<5
CAS number: Proprietary	Trade Secret 3	<5

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

After skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

After swallowing:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

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Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:

Not determined or not applicable.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Ensure air handling systems are operational

Wear protective eye wear, gloves and clothing

Environmental precautions:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)

Dispose of contents / container in accordance with local regulations

Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
WEEL	Trade Secret 2	Proprietary	WEEL TWA 10.0 mg/m ³
	Trade Secret 3	Proprietary	WEEL TWA 10.0 mg/m ³
NIOSH	2,2'-Iminodiethanol	111-42-2	NIOSH TWA 3 ppm; 15.0 mg/m ³
ACGIH	2,2'-Iminodiethanol	111-42-2	ACGIH TLV TWA: 2 mg/m ³

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Trade Secret 1	Proprietary	ACGIH TLV TWA 5.0 mg/m ³
	2,2'-Iminodiethanol	111-42-2	TLV TWA 1.0 mg/m ³ (8 h exposure limit)
United States (California)	Trade Secret 1	Proprietary	8-hour TWA-PEL: 5 mg/m ³
	2,2'-Iminodiethanol	111-42-2	8-hour TWA-PEL: 2 mg/m ³ (0.46 ppm)
	2,2'-Iminodiethanol	111-42-2	REL: 3 ug/m ³ (Chronic Inhalation)

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

For continuous contact we recommend nitrile gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Comply with the OSHA respirator regulations found in 29 CFR 1910.134.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

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SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Blue Viscous Liquid
Odor	Slight Surfactant
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	0 °C (32 °F)
Initial boiling point/range	100 °C (212 °F)
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	1.0
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

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SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
2,2'-Iminodiethanol	oral	LD50 Rat: 710 mg/kg
	dermal	LD50 Rabbit: 8100 - 12,200 mg/kg
Hexamethylenetetramine	oral	LD50 Rat: 20,000 mg/kg
	dermal	LD50 Rat: > 2000 mg/kg
Trade Secret 3	oral	LD50 Rat: > 2000 mg/kg
	dermal	LD50 Rat: > 2000 mg/kg
Trade Secret 2	oral	LD50 Rat: 21,000 - 33,700 mg/kg
	dermal	LD50 Rabbit: > 2000 mg/kg
Trade Secret 1	oral	LD50 Rat: 6400 mg/kg
	dermal	LD50 Rabbit: > 2000 mg/kg

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
2,2'-Iminodiethanol	Causes skin irritation

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
2,2'-Iminodiethanol	Causes serious eye damage

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

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Substance data:

Name	Species	Result
2,2'-Iminodiethanol	Not applicable	There is inadequate evidence in humans for the carcinogenicity of diethanolamine. Cancer in experimental animals: There is sufficient evidence in experimental animals for the carcinogenicity of diethanolamine.

International Agency for Research on Cancer (IARC):

Name	Classification
Trade Secret 1	Group 3 - Not classifiable as to its carcinogenicity to humans
2,2'-Iminodiethanol	Group 2B

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
Trade Secret 3	May cause respiratory irritation to organs through single exposure.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
2,2'-Iminodiethanol	Component affects the liver and blood through repeated exposure.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

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Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Trade Secret 3	LC50 Poecilia reticulata: 100 mg/L (96 hrs)
Trade Secret 2	LC50 Oncorhynchus mykiss: 40,613 mg/L (96 hrs)
	EC50 Daphnia magna: 43,500 mg/L (48 hrs)
Trade Secret 1	LC50 Pimephales promelas: 11,800 mg/L (96 hrs)
	EC50 Ceriodaphnia dubia: 609.88 mg/L (48 hrs)
	EC50 Desmodesmus subspicatus: 216 mg/L (72 hrs)

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Trade Secret 3	NOEC Daphnia magna: > 10,000 mg/L (21 days)
Trade Secret 1	NOEC Daphnia magna: 16 mg/L (21 days)
Trade Secret 2	EC50 Selenastrum capricornutum: 18,100 mg/L (14 days)

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
2,2'-Iminodiethanol	Readily biodegradable in water.
Trade Secret 3	Readily biodegradable (74.85% degradation after 28 days).
Trade Secret 2	Readily biodegradable in water.
Trade Secret 1	Readily biodegradable in water.

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
2,2'-Iminodiethanol	Significant accumulation in organisms is not to be expected.
Trade Secret 3	BCF: 3.162 L/Kg ww
Trade Secret 2	BCF: 0.09; Low potential for bioaccumulation.
Trade Secret 1	Significant accumulation in organisms is not to be expected.

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Mobility in soil

Product data: No data available.

Substance data:

Name	Result
Trade Secret 3	Koc at 20°C: 1.857
Trade Secret 1	The chemical has been demonstrated to decompose rapidly in soil.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

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SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

Proprietary	Trade Secret 2	Listed
111-42-2	2,2'-Iminodiethanol	Listed
Proprietary	Trade Secret 3	Listed
Proprietary	Trade Secret 1	Listed

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

SARA Section 313 toxic chemicals:

111-42-2	2,2'-Iminodiethanol	Listed
Proprietary	Trade Secret 3	Not Listed
Proprietary	Trade Secret 2	Not Listed
Proprietary	Trade Secret 1	Not Listed

CERCLA:

111-42-2	2,2'-Iminodiethanol	Listed	100 lb.
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RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

Proprietary	Trade Secret 3	Not Listed
Proprietary	Trade Secret 2	Not Listed
Proprietary	Trade Secret 1	Listed
111-42-2	2,2'-Iminodiethanol	Listed

New Jersey Right to Know:

Proprietary	Trade Secret 3	Not Listed
Proprietary	Trade Secret 2	Listed
Proprietary	Trade Secret 1	Listed
111-42-2	2,2'-Iminodiethanol	Listed

New York Right to Know:

Proprietary	Trade Secret 3	Not Listed
Proprietary	Trade Secret 2	Not Listed

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Proprietary	Trade Secret 1	Not Listed
111-42-2	2,2'-Iminodiethanol	Listed

Pennsylvania Right to Know:

Proprietary	Trade Secret 3	Not Listed
Proprietary	Trade Secret 2	Listed
Proprietary	Trade Secret 1	Listed
111-42-2	2,2'-Iminodiethanol	Listed

California Proposition 65:

 **WARNING:** This product can expose you to Diethanolamine; which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered 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 materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet