

MATERIAL SAFETY DATA SHEET

Section 1 : Company Identification

Product Name	:	MG-Rim-Kleaner
Catalog Number	:	MG-Rim-Kleaner
Recommended Use	:	Rim Cleaner, Wheel Cleaner, Grease Remover, Metal Cleaner, Vehical Accessories Cleaner, Grime Remover.
Uses Advised Against	:	Food, drug, pesticide or biocidal product use.
Company Information	:	MGK Chemicals Private Limited 307/4p, Gangadiya Savli, Vadodara Gujarat, India - 391520
Contact Number	:	-
Contact E-mail	:	info@mg-kleaner.com
Website	:	www.mg-kleaner.com

Section 2 : Hazards Identification

Classification	:	
Acute oral toxicity	-	Category 4
Eye irritation	-	Category 1
Specific target organ toxicity (Target organ - Central nervous system)	-	Category 3
Label Elements	:	
Signal word	-	Danger
Hazard statements	-	Harmful if swallowed
	-	Causes serious eye damage
	-	May cause drowsiness or dizziness
Precautionary Statements	:	
Prevention	-	Wash any exposed skin thoroughly after handling.
	-	Do not eat, drink or smoke when using this product.
	-	Wear personal protective equipments.
	-	Avoid breathing dust/fume/gas/mist/vapors/spray.
	-	Use only outdoors or in a well-ventilated area.

- Inhalation - If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Eyes - Call a poison center or doctor/physician if you feel unwell.
- If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Ingestion - Call a poison center or doctor/physician if you feel unwell.
- If swallowed, rinse mouth.
- Storage - Call a poison center or doctor/physician if you feel unwell.
- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.
- Disposal - Dispose of contents/container to an approved waste disposal plant.

Section 3 : Composition and Information on Ingredients

Component	CAS Number	% by Weight
Oxolan-2-one	96-48-0	> 95
Non-ionic Surfactant	N/A	< 1

Section 4 : First-aid Measures

- Eye Contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
- Skin Contact : Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.
- Inhalation : Remove to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention. If not breathing, give artificial respiration
- Ingestion : Do not induce vomiting. Call a physician or poison control center immediately.

Section 5 : Fire-fighting Measures

- Suitable Extinguishing Media : Water spray, carbon dioxide (CO₂), dry chemical.
- Unsuitable Extinguishing Media : No information available.
- Flash Point - 98 °C / 208.4 °F

Method	-	No information available.
Autoignition Temperature	:	455 °C / 851 °F
Explosion Limits	:	
Upper	-	16 vol %
Lower	-	3.6 vol %
Sensitivity to Mechanical Impact	-	No information available.
Sensitivity to Static Discharge	-	No information available.
Specific Hazards arising from the Chemical	:	Keep product and empty container away from heat and source of ignition.
Hazardous Combustion Products	:	Carbon monoxide (CO) and Carbon dioxide (CO ₂).
Protective Equipment and Precautions for Firefighters	:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.
NFPA	:	
Health		2
Flammability		1
Instability		1
Physical Hazards		N/A

Section 6 : Accidental Release Measures

Personal Precautions	:	Ensure adequate ventilation. Use personal protective equipment as required.
Environmental Precautions	:	Should not be released into the environment. See Section 12 for additional Ecological Information.
Methods for Containment and Clean Up	:	Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

Section 7 : Handling and Storage

Handling	:	Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.
Storage	:	Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Strong oxidizing agents. Strong reducing agents. Strong acids.

Section 8 : Personal Protection and Exposure Controls

Exposure Guidelines	:	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	:	Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipments	:	
Eye/face Protection	-	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin/Body Protection	-	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	-	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Hygiene Measures	-	Handle in accordance with good industrial hygiene and safety practice.

Section 9 : Physical and Chemical Properties

Physical State	:	Liquid
Appearance	:	Colorless
Odor	:	Faint
pH	:	4 100g/L (20°C)
Melting Point	:	-45 °C / -49 °F
Boiling Point	:	205 °C / 401 °F (@760 mmHg)
Flash Point	:	98 °C / 208.4 °F
Evaporation Rate	:	No information available.
Flammability (solid,gas)	:	Not applicable.
Flammability Limits	:	16 vol % (Upper) 3.6 vol % (Lower)

Vapor Pressure	:	1.5 hPa (20°C)
Vapor Density	:	3
Specific Gravity	:	1.12
Solubility	:	No information available.
Autoignition Temperature	:	455 °C / 851 °F
Decomposition Temperature	:	No information available.
Viscosity	:	No information available.

Section 10 : Stability and Reactivity

Reactive Hazard	:	None known, based on information available.
Stability	:	Hygroscopic.
Conditions to Avoid	:	Incompatible products. Excess heat. Exposure to moist air or water.
Incompatible Materials	:	Strong oxidizing agents, Strong reducing agents, Strong acids.
Hazardous Decomposition Products	:	Carbon monoxide (CO) and Carbon dioxide (CO ₂).
Hazardous Polymerization	:	Hazardous polymerization does not occur.
Hazardous Reactions	:	None under normal processing.

Section 11 : Toxicological Information

Acute Toxicity :

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Oxolan-2-one	= 1540 mg/kg (Rat)	> 5640 mg/kg (Rabbit)	> 2.68 mg/L (Rat) 4h

Delayed and immediate effects as well as chronic effects from short and long-term exposure :

Irritation	-	Risk of serious damage to eyes.
Sensitization	-	No information available.
Carcinogenicity	-	The table below indicates whether each agency has listed any ingredient as a

carcinogen.

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
Oxolan-2-one	96-48-0	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects	-	Not mutagenic in AMES test.
Reproductive Effects	-	No information available.
Developmental Effects	-	No information available.
Teratogenicity	-	No information available.
STOT - single exposure	-	Central nervous system (CNS).
STOT - repeated exposure	-	None known.
Aspiration Hazard	-	No information available.
Acute and Delayed Symptoms	-	No information available.
Endocrine Disruptor Information	-	No information available.
Other Adverse Effects	-	The toxicological properties have not been fully investigated.

Section 12 : Ecological Information

Ecotoxicity : Do not empty into drains.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Oxolan-2-one	EC50: = 360 mg/L, 72h (Desmodesmus subspicatus)	LC50: 220-460 mg/L/96h (Leuciscus idus)	EC50 > 10000 mg/L 17h	EC50: > 500 mg/L, 48h (Daphnia magna Straus)

Persistence and Degradability : Miscible with water Persistence is unlikely based on information available.

Bioaccumulation : No information available.

Mobility : Will likely be mobile in the environment due to its water solubility.

Component	log Pow
Oxolan-2-one	-0.566

Section 13 : Disposal Considerations

Waste Disposal Methods : Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Section 14 : Transport Information

DOT : Not regulated.

TDG : Not regulated.

IATA : Not regulated.

IMDG / IMO : Not regulated.

Section 15 : Regulatory Information

United States of America Inventory :

Component	CAS No	TSCA	TSCA Inventory Notification - Active-Inactive	TSCA - EPA Regulatory Flags
Oxolan-2-one	96-48-0	Listed	Active	Not Listed

TSCA 12(b) - Notice of Export : Not applicable.

International Inventories : Canada (NDSL/DSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS/ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	NDSL	EINECS	PICCS	ENCS	AICS	IECSC	KECL
Oxolan-2-one	96-48-0	Not Listed	202-509-5	Listed	Listed	Listed	Listed	KE-10674

U.S. Federal Regulations :

SARA 313	-	Not applicable.
SARA 311/312 Hazard Categories	-	See section 2 for more information.
Clean Water Act	-	Not applicable.
Clean Air Act	-	Not applicable.
OSHA	-	Not applicable.
CERCLA	-	Not applicable.
California Proposition 65	-	This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations	-	Not applicable.
U.S. Department of Transportation		
Reportable Quantity	-	N
DOT Marine Pollutant	-	N
DOT Severe Marine Pollutant	-	N
U.S. Department of Homeland Security	-	This product does not contain any DHS chemicals.

Section 16 : Other Information

Prepared By : MGK Chemicals Private Limited
307/4p, Gangadiya Savli, Vadodara
Gujarat, India - 391520

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Disclaimer :

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