

MATERIAL SAFETY DATA SHEET

Section 1 : Company Identification

Product Name : Grease Coating Cleaner

Catalog Number : Grease-Coating-Cleaner

Recommended Use : Grease based coating cleaning, Grease film remover, Grease
Paint based coating cleaning, Surface Cleaning.

Uses Advised Against : Food, drug, pesticide or biocidal product use.

Company Information :

Contact Number :

Contact E-mail :

Website :

Section 2 : Hazards Identification

Classification :

Acute oral toxicity - Category 4

Eye irritation - Category 1

Specific target organ toxicity - Category 3
(Target organ - Central nervous system)

Label Elements :

Signal word - Danger

Hazard statements - Harmful if swallowed

- Causes eye damage

- May cause drowsiness or dizziness

Precautionary Statements :

Prevention - Keep away from heat, sparks and other ignition sources.

- 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.

- Inhalation
 - Use only outdoors or in a well-ventilated area.
 - 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.
- Disposal
 - Store locked up.
 - Dispose of contents/container to an approved waste disposal plant.

Section 3 : Composition and Information on Ingredients

Component	CAS Number	% by Volume
Non-ionic Surfactant	N/A	< 2.0
Emulsifier	N/A	< 2.0
Water Content	7732-18-5	< 2.0
Paraffin Liquid Light	8012-95-1	< 40
Oxolan-2-one	96-48-0	< 60

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	-	104 °C / 219.2 °F		
Method	-	No information available.		
Autoignition Temperature	:	No information available.		
Explosion Limits	:			
Upper	-	No information available.		
Lower	-	No information available.		
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		Flammability	Instability	Physical Hazards
2		1	1	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	:	Slight, Faint
pH	:	6 100g/L (20°C)
Melting Point	:	No information available.
Boiling Point	:	213 °C / 415.4 °F (@760 mmHg)
Flash Point	:	104 °C / 219.2 °F
Evaporation Rate	:	No information available.
Flammability (solid,gas)	:	Not applicable.

Flammability Limits	:	No information available.
Vapor Pressure	:	No information available.
Vapor Density	:	No information available.
Specific Gravity	:	1.01
Solubility	:	No information available.
Autoignition Temperature	:	No information available.
Decomposition Temperature	:	No information available.
Viscosity	:	No information available.

Section 10 : Stability and Reactivity

Reactive Hazard	:	None known, based on information available.
Stability	:	No information available.
Conditions to Avoid	:	Incompatible products. Excess heat. Ignition source. 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
Paraffin Liquid Light	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.08 mg/L (Rat) 4h
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 damage to eyes.
 - Risk of irritation to skin.
 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
Paraffin Liquid Light	8012-95-1	Not listed	Not listed	Not listed	Not listed	Not listed
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 - May be dangerous.
 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
Paraffin Liquid Light	EC50: = 1327 mg/L, 72h (Desmodesmus subspicatus)	LC50: 680-930 mg/L/96h (Leuciscus idus)	EC50 > 10000 mg/L 17h	EC50: > 800 mg/L, 48h (Daphnia magna Straus)
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
Paraffin Liquid Light	4.137
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
Paraffin Liquid Light	8012-95-1	Listed	Active	Not Listed
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
Paraffin Liquid Light	8012-95-1	Not Listed	232-384-2	Listed	Listed	Listed	Listed	Listed
Oxolan-2-one	96-48-0	Not Listed	202-509-5	Listed	Listed	Listed	Listed	Listed

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 :

Creation Date :

Revision Date :

Print Date :

Revision Summary :

Disclaimer :

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release 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 or in any process, unless specified in the text.