Safety Data Sheet
according to WHS Regulations

Print date: 22.10.2024 Revision date: 16.10.2024

1 Identification

Product Name: OIL & GREASE REMOVER

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:
Specific stain remover for grease and oily stains

Details of Manufacturer or Importer:
Custom Surface Solutions
30/16 Bernera Road, Prestons
NSW, 2170, Australia

Phone Number: +61 1300 278 264

Emergency telephone number: National Poisons Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).


Flame

Flammable Liquids 2	H225 Highly flammable liquid and vapour.


Health hazard

Germ Cell Mutagenicity 1B	H340 May cause genetic defects.
Carcinogenicity 1B	H350 May cause cancer.
Aspiration Hazard 1	H304 May be fatal if swallowed and enters airways.

Eye Irritation 2A	H319 Causes serious eye irritation.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

Signal Word Danger

Hazard Statements
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H340 May cause genetic defects.
H350 May cause cancer.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.

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P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331	Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use CO2, powder or water spray to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
CAS: 78-93-3	Methyl ethyl ketone Flammable Liquids 2, H225; Eye Irritation 2A, H319; STOT SE 3, H335-H336	10.5-<12%
CAS: 127-18-4	Tetrachloroethylene Carcinogenicity 2, H351; Aquatic Chronic 2, H411	10.5-<12%
CAS: 64742-48-9	Naphtha (petroleum), hydrotreated heavy Germ Cell Mutagenicity 1B, H340; Carcinogenicity 1B, H350; Aspiration Hazard 1, H304	10-<11.5%
CAS: 79-20-9	Acetic acid, methyl ester Flammable Liquids 2, H225; Eye Irritation 2A, H319; STOT SE 3, H336	1-<1.5%
CAS: 67-56-1	Methanol Flammable Liquids 2, H225; Acute Toxicity (Oral) 3, H301; Acute Toxicity (Dermal) 3, H311; Acute Toxicity (Inhalation) 3, H331; STOT SE 1, H370	0.2-<0.25%

4 First Aid Measures

Inhalation: If inhaled, remove to fresh. Seek medical attention if breathing problems develop.

Skin Contact:
In case of skin contact, remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if irritation occurs.

Eye Contact:
In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

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Symptoms Caused by Exposure:
Inhalation: May cause respiratory irritation.
Skin Contact: May cause skin irritation.
Eye Contact: Causes serious eye irritation.
Ingestion: May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use foam, dry chemical powder, or carbon dioxide. Do not use jets of water.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include gases and vapours that are potentially dangerous to health.
Product is highly flammable. Vapours can travel considerable distances and flashback to its point of generation if it meets a source of ignition.
Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.
Prevent run-off from fire fighting entering drains or water courses.
HAZCHEM Code: •3WE

Special Protective Equipment and Precautions for Fire Fighters:
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.
Evacuate all non-essential personnel from affected area. Do not breathe vapours or mists. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:
In the event of a major spill, prevent spillage from entering drains or water courses.
Inform respective authorities in case of seepage into water course or sewage system.

Methods and Materials for Containment and Cleaning Up:
Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.
Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

7 Handling and Storage

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours or mists.
Use only outdoors or in a well-ventilated area.
Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:
Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Do not weld, cut or drill on full or empty containers. Handling equipment must be grounded to prevent sparking. In areas where explosion hazard exists workers should be required to wear non-sparking boots.

8 Exposure Controls and Personal Protection

Exposure Standards:	
CAS: 78-93-3 Methyl ethyl ketone	
WES	STEL: 890 mg/m³, 300 ppm TWA: 445 mg/m³, 150 ppm

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CAS: 127-18-4 Tetrachloroethylene	
WES	STEL: 1020 mg/m³, 150 ppm TWA: 340 mg/m³, 50 ppm
CAS: 79-20-9 Acetic acid, methyl ester	
WES	STEL: 757 mg/m³, 250 ppm TWA: 606 mg/m³, 200 ppm
CAS: 67-56-1 Methanol	
WES	STEL: 328 mg/m³, 250 ppm TWA: 262 mg/m³, 200 ppm Sk

Engineering Controls:
Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Respiratory Protection:
Use an approved unit respirator (filter type SA or AX) under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
Protective gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.
When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:
Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

9 Physical and Chemical Properties

Appearance:	
Form:	Dense liquid
Colour:	White
Odour:	Characteristic of solvent
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	95 °C
Flash Point:	<21 °C
Flammability (solid, gas):	Not applicable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure at 20 °C:	3.55 hPa
Density at 20 °C:	1.24-1.28 g/cm³
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Immiscible
Partition Coefficient (n-octanol/water):	No information available

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Viscosity: No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: No further relevant information available.

Hazardous Decomposition Products: No hazardous decomposition products known.

11 Toxicological Information

Toxicity:

LD50/LC50 Values:		
CAS: 78-93-3 Methyl ethyl ketone		
Oral	LD50	2,193 mg/kg (Rattus norvegicus (rat))
Dermal	LD50	6,480 mg/kg (Oryctolagus cuniculus (rabbit))
Inhalation	LC50/4 h	32 mg/l (microorganisms)
CAS: 127-18-4 Tetrachloroethylene		
Oral	LD50	2,629 mg/kg (Rattus norvegicus (rat))
CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	LD50	>5,000 mg/kg (Rattus norvegicus (rat))
	LD50	>3,000 mg/kg (Oryctolagus cuniculus (rabbit))
CAS: 79-20-9 Acetic acid, methyl ester		
Oral	LD50	6,482 mg/kg (Rattus norvegicus (rat))
		3,705 mg/kg (Oryctolagus cuniculus (rabbit))
CAS: 67-56-1 Methanol		
Oral	LD50	1,187 mg/kg (Rattus norvegicus (rat))
Dermal	LD50	17,100 mg/kg (Rattus norvegicus (rat))
Inhalation	LC50/4 h	83.8 mg/l (Rattus norvegicus (rat))

Acute Health Effects
Inhalation: May cause respiratory irritation.
Skin: May cause skin irritation.
Eye: Causes serious eye irritation.
Ingestion:
May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: May cause genetic defects.

Carcinogenicity:
May cause cancer.
Tetrachloroethylene is classified by IARC as Group 2A - Probably carcinogenic to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

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Specific Target Organ Toxicity (STOT) - Single Exposure:
Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: May be fatal if swallowed and enters airways.

Chronic Health Effects: No data associated with long term health effects.

Existing Conditions Aggravated by Exposure: No data available.

12 Ecological Information

Ecotoxicity:

Aquatic toxicity:
Harmful to aquatic life with long lasting effects.

CAS: 78-93-3 Methyl ethyl ketone	
EC50/48 h	308 mg/l (Daphnia magna (water flea)) (OECD Test Guideline 202)
LC50/96 h	2,993 mg/l (Pimephales promelas (fathead minnow)) (OECD Test Guideline 203)
CAS: 127-18-4 Tetrachloroethylene	
EC50/48 h	7.55 mg/l (Daphnia magna (water flea))
LC50/96 h	4.82 mg/l (Oncorhynchus mykiss (rainbow trout))
CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy	
LC50/96 h	2,200 mg/l (Pimephales promelas (fathead minnow))
LC50/48 h	>1,000 ppm (Leuciscus idus (orfe; ide))
CAS: 79-20-9 Acetic acid, methyl ester	
EC50/48 h	1,026.7 mg/l (Daphnia magna (water flea))
LC50/96 h	295-348 mg/l (Pimephales promelas (fathead minnow))
CAS: 67-56-1 Methanol	
LC50/96 h	13,500-17,600 ppm (Lepomis macrochirus (bluegill))
	19,500-20,700 ppm (Oncorhynchus mykiss (rainbow trout))
LC50/96 h	28,200 mg/l (Pimephales promelas (fathead minnow))

Persistence and Degradability: No data available on finished product.

Bioaccumulative Potential: No data available on finished product.

Mobility in Soil: No data available on finished product.

Other adverse effects: No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:
Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number
ADG, IMDG, IATA UN1992

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Proper Shipping Name **ADG, IMDG, IATA**	FLAMMABLE LIQUID, TOXIC, N.O.S. (ETHYL METHYL KETONE (METHYL ETHYL KETONE), Naphtha (petroleum), hydrotreated heavy)
Dangerous Goods Class **ADG Class:**	3
Packing Group: **ADG, IMDG, IATA**	II
EMS Number:	F-E,S-D
Hazchem Code:	•3WE
Special Provisions:	274
Excepted quantities (EQ):	E2
Limited Quantities:	1 L
Packagings & IBCs - Packing Instruction:	P001, IBC02
Portable Tanks & Bulk Containers - Instructions:	T7
Portable Tanks & Bulk Containers - Special Provisions:	TP2, TP13

15 Regulatory Information

Australian Inventory of Industrial Chemicals: All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:
Poisons Schedule: 6

16 Other Information

Date of Preparation or Last Revision: 16.10.2024

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:
ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Flammable Liquids 2: Flammable liquids – Category 2
Acute Toxicity (Oral) 3: Acute toxicity – Category 3
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B
Carcinogenicity 1B: Carcinogenicity – Category 1B
Carcinogenicity 2: Carcinogenicity – Category 2
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aspiration Hazard 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

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Disclaimer
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