



ATLANTIC Grease & Lubricants Manufacturing FZC.
Plot Nos.2G-11&12, P.O. Box 41583
Hamriyah Free Zone, Sharjah – U.A.E.
Tel: +971-6-526 4688, Fax: +971-6-526 4699
Email: info@atlanticlubes.com, www.atlanticlubes.com

MATERIAL SAFETY DATA SHEET (NON-HAZARDOUS/NON-DG)

SECTION -1 -- PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product Trade Name --- ATLANTIC LEATHER AND TYRE WAX
Company Identification --- Atlantic Grease & Lubricants Manufacturing FZC
P.O.Box – 41583, Sharjah – U.A.E
Phone Number --- +971 6 7481804
Fax Number --- +971 6 7481805
E-Mail Address ---- atlantic@eim.ae
Chemical Name Sprayed surface wax
Other names
CAS No. (Hazardous ingredients) 142-82-5, 74-98-6 & 106-97-8
EINECS No. (Hazardous ingredients) 205-563-8, 200-827-9 & 203-448-7
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified use(s) Surface wax polish

2. SECTION 2: HAZARDS IDENTIFICATION

HEALTH HAZARDS DATA

Eye : - Contact with eyes may cause minimal irritation, but practically non – irritating.

Skin Contact: - Avoid skin contact.

This product is slightly irritating. Repeated or prolonged contact with the skin could cause redness, itching, inflammation or cracking .symptoms may include discolouration, swelling pain or a feeling of heat.

Secondary infection. Avoid prolonged and repeated skin contact with used Diesel oils. See Section 11 - Toxicological Information.

Inhalation: - Low risk at ambient temperature .prolonged breathing of vapors cans headache, dizziness, nausea, respiratory irritation or chemical pneumonitis.

Ingestion: - Low toxicity. If less than one ounce is ingested, material may pass through the system without harm. On ingestion of large quantities slight GI discomfort, diarrhea and headaches may occur.

Medical Conditions Aggravated by Exposure: -
Pre –existing dermatitis may be aggravated

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SECTION -2 HAZARDS INGREDIENTS / IDENTITY INFORMATION

Components	CAS Number	Approximate % Composition	Exposure Limit
Paraffinic Base oil	64741-88-4	75 to 85	5 mg/m3 Mist
Performance Additives	Mixture	10 to 20	5 mg/m3 Mist
Pour Depressant	Mixture	0.5 to 1.0	5 mg/m3 Mist



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4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Obtain medical attention. Remove persons affected to fresh air. Keep patient warm and at rest. Apply artificial respiration if necessary (do not employ mouth-to-mouth method). If breathing is laboured, administer oxygen.

Skin Contact

Remove contaminated clothing immediately and wash affected skin with soap and plenty of water. Do not use solvents for skin cleaning. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops

Eye Contact

Obtain medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes; Refer to a doctor or hospital for further treatment.

Ingestion

Obtain immediate medical attention. If swallowed, rinse mouth with water (only if the person is conscious). Make victim drink plenty of water. Do NOT induce vomiting. If vomiting occurs, lean patient forward as far as possible, or



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- | | | |
|-----|---|---|
| 4.2 | Most important symptoms and effects, both acute and delayed | head-down, to maintain airway and prevent aspiration.
Dry skin, Irritation, coughing, headache, nausea, dizziness, vomiting, unconsciousness |
| 4.3 | Indication of the immediate medical attention and special treatment needed | Increased difficulty in breathing. headache, dizziness, vomiting, unconsciousness |

5. SECTION 5: FIRE-FIGHTING MEASURES

- | | | |
|-----|--|--|
| 5.1 | Extinguishing media
Suitable Extinguishing Media

Unsuitable Extinguishing Media | Extinguish preferably with alcohol-resistant foam, carbon dioxide or dry chemical.
Water jet |
| 5.2 | Special hazards arising from the substance or mixture | Highly flammable vapour (flash point below 23°C). Heating will cause pressure rise with risk of bursting and subsequent explosion. |
| 5.3 | Advice for fire-fighters | Self-contained breathing apparatus to be worn if involved in fire. Water spray should be used to cool containers. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Vapours are heavier than air and spread at floor level. Product floats on water and may re-ignite on surface |

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- | | | |
|-----|--|--|
| 6.1 | Personal precautions, protective equipment and emergency procedures | Put on protective clothing. Avoid contact with skin and eyes. Remove or make safe all sources of ignition. Ensure adequate ventilation |
| 6.2 | Environmental precautions | Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into soil, sewage or watercourses must be alerted to the appropriate regulatory body. |
| 6.3 | Methods and material for containment and cleaning up | Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a closed container for disposal. Disposal should be in accordance with local or national legislation.
Major spills : Alert fire brigade. Use water spray or fog to disperse / absorb vapour. If safe to do so, transfer damaged cans to container outdoors, away from ignition sources until pressure has completely dissipated. Remove undamaged cans to a safe storage area.
Collect spillage and seal in labeled drums for disposal |
| 6.4 | Reference to other sections | See Section: 8 (Exposure controls / PPE) & 13 (Disposal) |

7. SECTION 7: HANDLING AND STORAGE

- | | | |
|-----|---|--|
| 7.1 | Precautions for safe handling | Ensure adequate ventilation. Avoid contact with skin, eyes and clothes. Do not breathe vapour. Keep away from heat and sources of ignition. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharge. |
| 7.2 | Conditions for safe storage, including any incompatibilities | Keep containers upright in a cool, well ventilated place .
Keep away from sources of ignition - No smoking.
Protect from heat and direct sunlight
May form explosive mixture with air particularly in enclosed spaces. Do not store in pits, depressions or basements |



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Storage Temperature	where vapours may be trapped
Storage Life	< 40 degC.
Incompatible materials	Three years
	Strong oxidising agents.
Other information	Follow any specific regulations regarding the quantities, storage and handling of extremely flammable materials in the workplace

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

LTEL (8 hr TWA)

STEL (15 minutes)

WEL: Workplace Exposure Limit (UK HSE EH40)

Butane 600 ppm (1450 mg/m³)

Heptane 500 ppm (2085 mg/m³)

Butane 750 ppm (1810 mg/m³)

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the occupational exposure limits are not exceeded.

8.2.2 Personal protection equipment

Eye/face protection



Safety spectacles/goggles. Minimum standard EN166.

Skin protection (Hand protection/ Other)



PVAc, Viton or Nitrile (> 1mm thickness)gloves. Minimum standard EN374-3. Apron or other light protective clothing.

Respiratory protection



Wear suitable air-fed or self-contained respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.: (EN 137, 138 or 139). The vapour is heavier than air; beware of pits and confined spaces.
 Note : Filtering masks are ineffective to control propane and n-butane

Other

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and after work. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

8.2.3 Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties (Solution)

Appearance

Colour

Odour

Odour Threshold (ppm)

pH (Value)

Melting Point (°C) / Freezing Point (°C)

Liquid.,

Clear to Milky-white, Transparent

Slight. Fuel oil-like.

Not available

Not available

< - 10 degC



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Boiling point/boiling range (°C):	100 degC approx (White spirit) after evaporation of propane/n-butane
Flash Point (°C) [Open cup]	< 0 degC (Propane / n-butane/heptane)
Evaporation rate (Butyl acetate = 1)	4.3 (Heptane)
Explosive limit ranges	1.8 – 8.5 % (Propane and n-butane)
Vapour Pressure	6.09 kPa (Heptane)
Vapour Density (Air=1)	3.5 (Heptane)
Density (g/ml)	0.8 at 20 degC (Estimated from composition)
Solubility (Water)(20 degC)	Insoluble.
Solubility (Other)	Soluble in alcohol
Partition Coefficient (n-Octanol/water)	Log Pow : 2.31 (Propane / n-butane)(read across methane)
Auto Ignition Temperature (°C)	204 degC (propane)
Decomposition Temperature (°C)	> 200 degC
Viscosity (mPa.s)	Water-like
Explosive properties	Not explosive.
Oxidising properties	Not oxidising

9.2 Other information

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Extremely flammable aerosol if punctured.
10.4 Conditions to avoid	Temperatures > 40 degC Keep away from heat and sources of ignition.
10.5 Incompatible materials	Strong oxidising agents
10.6 Hazardous Decomposition Product(s)	Extremely flammable vapours

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity	
Ingestion	Does not contain any ingredients with LD50 < 2000 mg/kg
Inhalation (4 hrs)	Does not contain any ingredients with LC50 (vapour) < 20 mg/L
Skin Contact	Does not contain any ingredients with LD50 (skin contact) < 2000 mg/k
Skin corrosion/irritation	Irritant (Calculation method) Contains irritant ingredient. : White spirit
Serious eye damage/irritation	Non-irritant Product does not contain any ingredients that are irritant to eyes
Respiratory or skin sensitization	It is not a skin or respiratory sensitiser.
Mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	IARC, NTP, OSHA, do not list this product or any of its components as a known or suspected carcinogen.
Reproductive toxicity	No evidence of reproductive toxicity
STOT-single exposure	Inhalation : Irritation of the respiratory tract. Coughing. Ingestion : Aspiration hazard. May be fatal if swallowed and enters airways. May cause irritation of the gastrointestinal tract. Headache, dizziness, nausea, vomiting,
STOT-repeated exposure (91 days)	Not available

11.2 Other information



12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity (Fish) (96hrs) (Daphnia magna) (48hrs) (Algae) (72hrs)	LC50 : 5.7 mg/l 9Heptane)((Q)SAR calculated) EC50 : 1.5 mg/l (Heptane) EC50 : 1.5 mg/l (Heptane)(Phytoplankton)
12.2 Persistence and degradability	Readily biodegradable. Propane & n-butane decompose rapidly by photolysis
12.3 Bioaccumulative potential (96 hrs)	The product has no potential for bioaccumulation.
12.4 Mobility in soil	This product is predicted to have low mobility in soil.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Allow small quantities to evaporate Dispose of contents of damaged cans and emptied cans at an approved site. Consult an accredited waste disposal contractor or the local authority for advice.
13.2 Additional Information	Containers must not be punctured or destroyed by burning, even when empty.

14. SECTION 14: TRANSPORT INFORMATION

14.1 Land transport (ADR/RID)	
UN number	UN1950
Proper Shipping Name	AEROSOLS
Transport hazard class(es)	2.2
Packing group	III
14.2 Sea transport (IMDG)	
UN number	UN1950
Proper Shipping Name	AEROSOLS
Transport hazard class(es)	2.2
Packing group	III
EmS:	F-D S-U
14.3 Air transport (ICAO/IATA)	
UN number	UN1950
Proper Shipping Name	AEROSOLS
Transport hazard class(es)	2.2
Packing group	III

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1 EU regulations	
Authorisations and/or restrictions on use	Not applicable
15.1.2 National regulations	None assigned
15.2 Chemical Safety Assessment	No Chemical Safety Assessment (CSA) has been carried out

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Sections #1 - #16.



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Classification procedure : Calculation method

Abbreviations

IARC	International Agency for Research on Cancer
LTEL	Long Term Exposure Limit
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Association
STEL	Short Term Exposure Limit
STOT	Specific target organ (systemic) toxicity
TWA	Time-weighted average

References:

Chemical Evaluation and Research Institute (Japan)
European Chemicals Agency
European Regulations and Directives
Published chemical directories
Suppliers' safety and data sheets
UK Health and Safety Executive
US Environmental Protection Agency
US National Toxicological Program

Risk Phrases

R11: Highly flammable.
R12: Extremely flammable.
R38: Irritating to skin.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
R67: Vapours may cause drowsiness and dizziness.

Safety Phrases

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.
Pressurized container: Do not pierce or burn, even after use.

S2: Keep out of the reach of children.
S23: Do not breathe fumes.
S25: Avoid contact with eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39: Wear eye/face protection.
S51: Use only in well-ventilated areas.

Hazard statement(s)

H220: Extremely flammable gas.
H225: Highly flammable liquid and vapour.
H280: Contains gas under pressure; may explode if heated.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H336: May cause drowsiness or dizziness.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P102: Keep out of reach of children.
P243: Take precautionary measures against static discharge.
P251: Pressurized container: Do not pierce or burn, even after use.
P260: Do not breathe fumes.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.



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P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330: Rinse mouth.
P337 + P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
P410+P403: Protect from sunlight. Store in a well-ventilated place.

Additional Information

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

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Annex to the extended Safety Data Sheet (eSDS)

Exposure Scenario

1. Short title of exposure scenario



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Application of foam from aerosol and cleaning of surfaces	
2. Processes and activities covered by the exposure scenario	
Sectors of use [SU]:	SU3 Industrial and SU21 Consumer uses
Chemical product category [PC]:	PC35 Washing and cleaning product
Process category [PROC]:	PROC 11 Non-industrial spraying
Article Categories [AC]:	Not applicable
Environmental release categories [ERC]:	ERC 8a Wide dispersive (Indoor) & ERC 8d Wide dispersive (Outdoor)
3. Operational conditions of use	
Control parameters	
Duration and frequency of use: Individual tasks involving limited potential exposure	
Maximum amount per time or activity:	
Consumer :	Intermittent use, one hour, 24 times / year
Industrial :	Four hours / day
Other operational conditions of use: Well-ventilated area at room temperature	
Engineering control measures: local extraction required if levels of n-butane or heptane exceed occupational exposure limit.	
Other Protective Equipment: Eye protection, Viton, PVAc or Nitrile (1 mm) gloves. Respiratory protection required if butane or heptane exceeds occupational exposure limit (Industrial user)	
4. Physical form of substance / preparation / mixture or article	
Information on basic physical and chemical properties: Solution of white mineral and silicone oils in white spirit	
5. Product specification	
Physical form of the product: Aerosol	
Concentration of substance in preparation / mixture or article:	
White spirit (Heptane) (Irritant) :	Maximum 51 % by weight
Propane / n-butane mixture :	Maximum 50 %
6. Risk Management Measures	
Occupational exposure controls:	
Use in areas with good general ventilation	
Use explosion-proof local exhaust ventilation if general ventilation is inadequate	
Wear respiratory protection if local exhaust ventilation is not available	
Refer to Section 8 for advice on personal protection	
Environmental Exposure Controls:	
Industrial use – Use in area where spillages and rinse water can be contained	
Apply product accurately to avoid overspray. Clean up spillages promptly with absorbent material & dispose of safely	
Consumer use:	
Use outdoors or in area with good general ventilation	
Use contents of no more than one can / day. Follow manufacturer's instructions	
Avoid contact with eyes and face	
Do not eat, drink or smoke while using product. Wash hands thoroughly after use	
7. Waste management measures	
Description and information on safe handling of surplus or waste:	
Allow small quantities to evaporate. Soak up residues and dispose of with solid waste according to local regulations	
Do not puncture or incinerate part-used cans	
8. Exposure assessment	
Human exposure prediction:	
Workers:	Estimated exposures do not exceed limits with controls as recommended (EasyTRA (targeted risk assessment))
Consumers:	Estimated exposures do not exceed limits with controls as recommended (EasyTRA)
Environmental exposure prediction: Not available	
9. Other information	
Control parameters:	
Method to check compliance: Sample and analyse air quality according to ISO 16017 or equivalent, annually, after equipment or process changes or whenever air quality is suspected to be unsatisfactory	