

MATERIAL SAFETY DATA SHEET

Product

Pirtek Aerosol Range

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Date Jan 2009

Revision 02

1 Identification of the Substance/Preparation and Company

Supplier: Pirtek (UK) Limited
 Address: 35 Acton Park Estate The Vale
 Acton London W3 7QE

Contact numbers: Telephone: 0208 749-8444
 Fax: 0208 749-8333

Product name: Pirtek Aerosol Range. (Multi-purpose, Citrus degreaser & Chain Lube)

Application: Multi-Purpose Spray – Penetration & Lubrication
 Citrus Degreaser – Solvent degreasing
 Chain Lube - Corrosion inhibiting, adhesive lubricant

2 Composition/Information on Ingredients

Hazardous ingredients: NB the Aerosols are classified as hazardous mainly due to the content of the propellant gases.

Citrus Degreaser

	% W/W	Classification	CAS No.	EINECS No.
Ethanol	1-10	F:R11	64-17-5	200-578-6
Low BP Hydrogen treated Naphtha (petroleum)	10-30	F+,Xi,Xn:R12,R38,R65,51/53	64742-49-0	265-151-9
Butane	10-30	F+:R12	106-97-8	203-448-7

Chain Lube

	% W/W	Classification	CAS No.	EINECS No.
Low BP Hydrogen treated Naphtha (petroleum)	1-10	F+,Xi,Xn:R12,R38,R65,51/53	64742-49-0	265-151-9
Butane	10-30	F+:R12	106-97-8	203-448-7

Multi-Purpose Spray

	% W/W	Classification	CAS No.	EINECS No.
Oleyl hydroxyethyl Imidazoline	<1	Xn C N R22,R34,R50/53	95-38-5	202-414-9
Kerosine hydrotreated light	50-70	Xn N R65,R51/53	64742-47-8	265-149-8
N-oleoyl sarcosine	<1	Xi N R38,R41,R50/53	110-25-8	203-749-3
Butane	1-10	F+:R12	106-97-8	203-448-7

3 Hazards Identification

All products are classified as Extremely Flammable and may cause environmental damage

See section 15 for specific hazards and classification.

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4 First Aid Measures

Eyes:	Irrigate immediately with copious quantities of water. If irritation persists, seek medical attention.
Skin:	Wash thoroughly with soap and water There may be Irritation & redness at site of contact
Inhalation:	There may be shortness of breath, coughing and wheezing. Loss of consciousness may occur, remove to hospital immediately.
Ingestion:	Nausea and stomach pain may occur, there may be vomiting & diarrhoea and the possibility of similar symptoms to inhalation due to the aspiration hazard. It is important that medical attention is sought as soon as possible
Pressure Injection:	ALWAYS OBTAIN IMMEDIATE MEDICAL ATTENTION EVEN THOUGH THE INJURY MAY APPEAR MINOR.

5 Fire Fighting Measures

These products may Form explosive air-vapour mixtures. Fire fighters must wear self contained breathing apparatus.

Flammability: All products are extremely flammable

Extinguishing Media: alcohol resistant foam, CO₂.

6 Accidental Release Measures

Personal Precautions: It is important to avoid any possible source of ignition.

Environmental Precautions: Prevent entry into drains, sewers and water courses.

Decontamination Procedures: Absorb into sand or some inert medium and wash site with plenty of water. Ensure material is disposed of via a licensed waste disposal Company.

7 Handling and Storage

The material is in a pressurised container, as with all aerosols they should not be subjected to high temperatures Never keep in direct sunlight..

Store in a cool well ventilated area. Ensure lighting and electrical equipment are not sources of ignition

8 Exposure Controls/Personal Protection

None of the aerosols should be used in a confined space. Use in a well ventilated area

Workplace Exposure Limits:	<u>Substance</u>	<u>8-Hour TWA</u>	<u>STEL</u>	<u>Source/Other Information</u>
	Butane	1450mg/m ³	1810mg/m ³	EH40/2006

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Engineering Control Measures: Xylene 220mg/m³ 441mg/m³
Acetone 1810mg/m³ 3620mg/m³
Local exhaust ventilation is recommended when excessive product misting occurs.

PPE: PVC/Nitrile gloves, Chemical grade eye protection should be worn.

9 Physical and Chemical Properties

Product	Multi-purpose	Citrus	Chain lube
Appearance:	Off white	Brown	Brown
Odour:	Solvent	Solvent	Solvent
Solubility:	Insol.	Insol.	Insol.
Flash Pt. (Closed Cup) (°C):	-10	-10	-10
Flammability limits % :Upper : Lower	0.8 9.0	0.7 13.0	0.8 9.0
Relative density Kg/m ³ :	No data	No data	No data
Boiling Point Range (°C):	No data	No data	No data

10 Stability and Reactivity

Stability:	Stable, under normal conditions will not polymerise
Conditions to Avoid:	Heat, sources of ignition
Materials to Avoid:	Strong oxidising agents, acids
Hazardous Decomposition Products:	Oxides of carbon

11 Toxicological Information

Health Effects (generally, all 3 products)

On Eyes:	May cause irritation .and possible burns to eyes.
On Skin:	Acts as a skin de-fatting agent.
By Inhalation:	May cause irritation to the respiratory system. Prolonged inhalation may cause damage to respiratory system. Vapours may cause headache, fatigue, dizziness and nausea
By Ingestion:	May cause stomach pain, vomiting and diarrhoea.

Specific effects of particular ingredients:

Ethanol: IVN Rat LD50 1440 mg/Kg.: ORAL Mus LD50 3450mg/Kg: ORAL Rat LD50 760mg/Kg.

Xylene: ORAL Mus LD50 2119 mg/Kg: ORAL Rat LD50 4300 mg/Kg: SCU Rat LD50 1700mg/Kg.

Acetone: IVN Rat LD50 5500 mg/Kg: ORAL Mus LD50 3g/Kg: ORAL Rat LD50 6800 mg/Kg

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12 Ecological Information

Dangerous for the environment if discharged into watercourses.

13 Disposal Considerations

Empty containers must be disposed of via a licensed hazardous waste contractor. The containers are pressurised and must not be punctured or incinerated. The materials will be subject to the Hazardous Waste Regulations 2005

14 Transport Information

UN Number: 1950
Class: 2
Labelling: 2.1
Marine Pollutant: Yes (except Citrus degreaser)

15 Regulatory Information

Citrus Degreaser:

Labelling: Extremely Flammable (Black flames on orange background)
Classification: Extremely Flammable
Harmful to aquatic organisms, may cause long term adverse effects in the aquatic Environment
Vapours may cause drowsiness & dizziness
Keep out of reach of children
Keep away from sources of ignition – No smoking
In case of insufficient ventilation, wear suitable respiratory equipment

Chain Lube:

Labelling: Extremely Flammable (Black flames on orange background)
Classification: Extremely Flammable
Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment
Do not breath vapour/spray
Keep out of reach of children
Keep away from sources of ignition – No smoking
Use only in a well ventilated area
This material and its container must be disposed of as hazardous waste

Multi-purpose spray:

Labelling: Extremely Flammable (Black flames on orange background)
Classification: Extremely Flammable
Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment
Repeated exposure may cause skin dryness or cracking
Do not breath vapour/spray
Keep out of reach of children
Keep away from sources of ignition – No smoking
Use only in a well ventilated area
This material and its container must be disposed of as hazardous waste

In all cases these products are in pressurised containers and must be protected from sunlight and not exposed to Temperatures is excess of 50°C. Do not pierce or burn, even after use

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16 Other Information

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

Risk Phrases

Full text:

R12 Extremely Flammable

R11 Highly flammable

R36 Irritating to eyes

R38 Irritating to skin

R51/52 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

R65 Harmful may cause lung damage if swallowed

Repeated exposure may cause skin dryness or cracking

Vapours may cause drowsiness & dizziness

EC Directives:

Framework Waste Directive, 91/156/EEC

Waste Oil Directive, 87/101/EEC

Statutory Instruments:

The Health and Safety at Work, etc Act 1974

Consumer protection Act 1987

Environmental Protection Act 1990

Control of Substances Hazardous to Health Regulations 2002

Chemicals (Hazard Information and Packaging) Regulations 2002

The Hazardous Waste Regulations 2005

Approved Codes of Practice:

Waste Management. The Duty of Care.

Guidance Notes:

Prevention of dermatitis at work (INDG-233)

Assessing and managing risks at work from skin exposed to chemicals agents (HSG 205)

Workplace exposure limits (EH 40)

Effects of mineral oil on the skin-cautionary notice

The above publications are available from HMSO and HSE sources.

All reasonable care has been taken to ensure the information in this publication is accurate at the time of printing. However, although certain hazards may be described we cannot predict all hazards that may exist whilst using the product in a workplace. The MSDS should be used as a component of a risk assessment which is the responsibility of the user of the product to prepare and record before use.