Material Safety Data Sheet 1907/2006/Ec, Article 31
MPEX® — 120C

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Mpex® 120C Universal Protector Aerosols

Product number 2343

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Protectant

1.3. Details of the supplier of the safety data sheet

Supplier

Leading Solvent Supplies Ltd
Marston Business Park
Rudgate, Tockwith YO26 7QF
United Kingdom
sales@mpexdirect.com
+44 (0)1423 358 000 (Hours 09:00 – 17:00 Mon to Fri)

1.4. Emergency telephone number

Emergency telephone Leading Solvent Supplies Ltd - tel: +44 (0)1423 358000

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards
Aerosol 1 - H222, H229

Health hazards
Not Classified

Environmental hazards
Not Classified

Classification (67/548/EEC or 1999/45/EC)
F+; R12

Human health
Vapours and spray/mists in high concentrations are narcotic.

Environmental
The product is not expected to be hazardous to the environment.

Physicochemical
Containers can burst violently or explode when heated, due to excessive pressure build-up. The product is extremely flammable. Vapours may form explosive mixtures with air.

2.2. Label elements

Pictogram

Signal word Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated

Precautionary statements

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P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing vapour/spray.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PETROLEUM GASES, LIQUEFIED	**60-100%**
CAS number: 68476-85-7 **EC number:** 270-704-2	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Gas 1 - H220 Press. Gas, Compressed - H280	
NAPTHA (PETROLEUM) HYDROTREATED HEAVY	**10-30%**
CAS number: 64742-48-9 **EC number:** 265-150-3	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Liq. 3 - H226 Asp. Tox. 1 - H304	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Inhalation
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medica attention promptly.

Ingestion
Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Get medical attention.

Skin contact
Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact
Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Protection of first aiders
First aid personnel should wear appropriate protective equipment during any rescue.

4.2. Most important symptoms and effects, both acute and delayed

General information
See Section 11 for additional information on health hazards.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

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Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions

Avoid discharge into drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Use suitable respiratory protection if ventilation is inadequate.

Advice on general occupational hygiene

Wash promptly with soap and water if skin becomes contaminated.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

PETROLEUM GASES, LIQUEFIED

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m3
Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m3

WEL = Workplace Exposure Limit

8.2. Exposure controls

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

No specific hand protection recommended.

Other skin and body protection

Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

Respiratory protection

No specific recommendations. If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Aerosol.

Colour

Clear.

Odour

Solvent.

Odour threshold

No information available.

pH

No information available.

Melting point

No information available.

Initial boiling point and range

-41 (-41 TO 215)°C @

Flash point

-40°C CC (Closed cup).

Evaporation rate

No information available.

Evaporation factor

No information available.

Flammability (solid, gas)

No information available.

Upper/lower flammability or explosive limits

Lower flammable/explosive limit: 0.6 % Upper flammable/explosive limit: 9.5 %

Vapour pressure

No information available.

Vapour density

No information available.

Relative density

0.582

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Solubility(ies)
Insoluble in water.

Partition coefficient
No information available.

Auto-ignition temperature
240°C

Decomposition Temperature
No information available.

Viscosity
No information available.

Oxidising properties
No information available.

9.2. Other information

Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability
The product may not be stable under some conditions of storage or use.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight

10.5. Incompatible materials

Materials to avoid
None known.

10.6. Hazardous decomposition products

None at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation
Vapours in high concentrations are narcotic. Vapours may cause headache, fatigue, dizziness and nausea.

Skin contact
No significant hazard at normal ambient temperatures.

Eye contact
Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards
No known chronic or acute health risks.

Route of entry
Inhalation Skin and/or eye contact

SECTION 12: Ecological Information

12.1. Toxicity

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12.2. Persistence and degradability

Persistence and degradability
No data available.

12.3. Bioaccumulative potential

Partition coefficient
No information available.

12.4. Mobility in soil

Mobility
No data available

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information
Dispose of waste product or used containers in accordance with local regulations

Disposal methods
Containers should be thoroughly emptied before disposal because of the risk of an explosion. Do not pierce or burn, even after use.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

Transport labels

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