Safety Data Sheet

Compilation date: 09/02/2016
Revision date: 09/02/2016
Revision number: 3
Date generated: 08/08/2023

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

1.1 Product identifier

Product name: **Molec Aerosol**

Other identification:

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

Anti-seize lubricant

1.3 Details of the supplier of the safety data sheet

SwanTek
Mintsfeet Road South, Kendal, LA9 6ND, UK
Tel: +44 (0)1539 722247 Email: service@swantek.com Web: www.swantek.com

1.4 Emergency telephone number

As per section 1.3

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Physical and Chemical Hazards: Flam. Aerosol 1 - H222; -: H229
Human health: STOT SE 3 - H336
Environment: Aquatic Chronic 2 - H411
Most important adverse effects: Extremely flammable aerosol. Pressurised container: May burst if heated. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
Full text of all Hazard Statements shown in Section 16.

2.2 Label elements

Hazard pictograms: CLP 07 Exclamation
CLP 02 Flammable
CLP 09 Environment
(none)

Signal word: Danger

Hazard statements:
H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with long lasting effects.

Precautionary statements:
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.
P271: Use only outdoors or in a well-ventilated area.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTER if you feel unwell.
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

Other label elements:

2.3 Other hazards

In use, may form flammable / explosive vapour-air mixture.

Section 3: Composition / information on ingredients

3.1 Substances

3.2 Mixtures

PENTANE 30-50%
REACH Registration No. 01-2119459286-30

CAS-No.: 109-66-0 EC No.: 203-692-4
Classification (EC 1272/2008): Flam. Liq. 2: H225, Asp. Tox. 1: H304, STOT SE 3: H336, Aquatic Chronic 2: H411, -: EUH066

PROPANE 10-30%
CAS-No.: 74-98-6 EC No.: 200-827-9
Classification (EC 1272/2008): Flam. Gas 1: H220, Press. Gas: H280

BUTANE 1-10%
REACH Registration No.: 01-2119475514-35-xxxx
CAS-No.: 106-97-8 EC No.: 203-448-7
Classification (EC 1272/2008): Flam. Gas 1: H220, Press. Gas: H280

ISOBUTANE 1-10%
CAS-No.: 75-28-5 EC No.: 200-857-2
Classification (EC 1272/2008): Flam. Gas 1: H220, Press. Gas: H280

DE-AROMATISED SOLVENT 1-10%
REACH Registration No. 01-2119463258-33-xxxx
CAS-No.: 64742-47-8
Classification (EC 1272/2008): STOT SE 3: H336, Flam. Liq. 3: H226, -: EUH066

Full text of all Hazard Statements shown in Section 16.

Section 4: First aid measures

4.1 Description of first aid measures

General: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation: Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

Skin: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

General:

Inhalation:

Ingestion:

Skin:

Eye:

4.3 Indication of any immediate medical attention and special treatment needed

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture

Extremely flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and material for containment and cleaning up

Absorb into dry earth or sand. Do not use equipment in clean-up procedure which may produce sparks. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

6.4 Reference to other sections

Section 7: Handling and storage

7.1 Precautions for safe handling

Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden. Use non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Keep away from sources of ignition. Must only be kept in original packaging.

7.3 Specific end use(s)

Section 8: Exposure controls / personal protection

8.1 Control parameters

PENTANE WEL
TWA - 8 Hrs: 1800 mg/m³

PROPANE WEL
TWA - 8 Hrs: 1800 mg/m³
STEL - 15 Min: 7200 mg/m³

BUTANE WEL
TWA - 8 Hrs: 1450 mg/m³
STEL - 15 Min: 1810 mg/m³

ISOBUTANE WEL
TWA - 8 Hrs: 2400 mg/m³
STEL - 15 Min: 9600 mg/m³

WEL = Workplace Exposure Limits

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
Respiratory equipment: Respiratory protection not required.
Hand protection: Chemically resistant gloves.
Eye protection: Safety glasses. Ensure eye bath is to hand.
Other Protection: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Note: This information represents typical data and is not a specification.

Appearance	Aerosol
Colour	Orange-red
Odour	Characteristic
Solubility	Insoluble in water
Flash point	-60°C

9.2 Other information

Section 10: Stability and reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

10.4 Conditions to avoid

Direct sunlight. Heat. Hot surfaces. Sources of ignition. Flames.

10.5 Incompatible materials

Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

In combustion emits toxic fumes.

Section 11: Toxicological information

11.1 Information on toxicological effects

PENTANE
ORAL RAT LD50: > 2000 mg/kg

Section 12: Ecological information

12.1 Toxicity

Dangerous for the environment if discharged into watercourses.

PENTANE
FISH 96H LC50: 1-10 mg/l

12.2 Persistence and degradability

12.3 Bioaccumulative potential

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

Toxic to aquatic organisms.

Section 13: Disposal considerations

13.1 Waste treatment methods

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

Section 14: Transport information

General

14.1 UN Number

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

14.2 UN proper shipping name

Proper Shipping Name: AEROSOLS

14.3 Transport hazard class(es)

ADR/RID/ADN Class: Class 2: Gases
ADR Label No.: 2.1
IMDG Class: 2.1
ICAO Class/Division: 2.1

14.4 Packing group

Not applicable

14.5 Environmental hazards

14.6 Special precautions for user

EMS: F-D, S-U
Tunnel Restriction Code: (D)

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2 Chemical safety assessment

Section 16: Other information

Phrases used above:
EUH066: Repeated exposure may cause skin dryness or cracking.
H220: Extremely flammable gas.
H222: Extremely flammable aerosol.
H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H229: Pressurised container: May burst if heated
H304: May be fatal if swallowed and enters airways.
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with long lasting effects.

The responsibility to ensure safe working conditions within the workplace remains with the user. The information on this SDS is given as a guide to the precautions required to maintain a safe work environment. This product is for professional use only. Not for sale or resale to the general public. Use in applications other than those described above may give rise to risks not covered by the information on this SDS. The physical and chemical properties on this SDS are typical properties and are not a specification. Please report any errors.