# Section 1. Product and Company Identification.

**1.1 Model Number;** SMGKIT01 v1

**1.2 Description;** Brazing & Soldering MAPP Gas Torch & MAPP Cylinder .

**1.3 Manufacturer;**

Jack Sealey Ltd.
t/a Sealey Group.
Kempson Way,
Bury St. Edmunds,
Suffolk,
IP32 7AR
UK

Jack Sealey (EU) Ltd
t/a Sealey Group.
Farney Street,
Carrickmacross,
Co. Monaghan,
A81 PK68
Ireland

technicalcompliance@sealey.co.uk

**1.4 Emergency telephone number;** 44 (0) 1284 757 500 (Office Hours)

**Date of source compilation;** 04/03/2024

# Section 2. Hazards Identification.

**2.1** Classification of the substance or mixture.
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

| | |
|---|---|
| Flammable gases | Category 1A |
| Gases under pressure | Liquefied gas |

**2.2** Label elements.
**Hazard pictogram(s)**

**Signal Word.** Danger

**Hazard statements;**
Extremely flammable gas
Contains gas under pressure; may explode if heated

**Precautionary statements-Prevention**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Precautionary statements-Response**
Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
In case of leakage, eliminate all ignition sources.

**Precautionary statements-Storage**
Store in a well-ventilated place.
Protect from sunlight. Store in a well-ventilated place.

**2.3** Other hazards.
No data available.

## Section 3. Substances.

| **3.1 Chemical Name** (substance) | **3.1 CAS No.** | **3.2 Concentration Volume** | **Classification** | |
|---|---|---|---|---|
| | | | **Hazard Class & Category Code** | **Hazard Statements [1]** |
| Propylene | 115-07-1 | 99-100% | Flam. Gas 1<br>Press. Gas | H220 |

[1]For full text of Statements, see Section 16.

## Section 4. First Aid Measures.

**4.1** Description of first aid measures

**Inhalation**
Move to fresh air. Keep your breath open. If breathing is difficult, give oxygen. If the patient ingests or inhales this substance, do not perform mouth-to-mouth artificial respiration. If breathing stops. Perform CPR immediately. Get immediate medical attention.

**Skin Contact**
Immediately remove contaminated clothing. Rinse the skin with plenty of soap and water. If you feel unwell, seek medical attention. ON FROSTBITE: rinse with plenty of water, do NOT remove clothes. Refer for medical attention.

**Eye Contact**
Immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention immediately.

**Ingestion**
Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Loosen tight clothing such as a collar, tie, belt or waistband. Do not use mouth-to-mouth method if victim ingested the substance. Seek immediate medical attention.

**4.2.** Most important symptoms and effects, both acute and delayed
Rapid evaporation of the liquid may cause frostbite. High concentrations in the air cause a deficiency of oxygen with the risk of unconsciousness or death. 1 Limited evidence suggests that repeated or prolonged occupational exposure may produce cumulative health effects involving organs or biochemical systems. 2 Treat symptomatically. 3 Note that symptoms may be delayed.

**4.3.** Indication of any immediate medical attention and special treatment needed
No data available.

## Section 5. Fire Fighting Measures.

**5.1.** Extinguishing media
Select suitable fire extinguishing agents according to local conditions and surrounding sanitation. Dry chemical powder, carbon dioxide or water spray can be used.

**5.2.** Special hazards arising from the substance or mixture

1. Flammable: easily ignited by heat, sparks or flames.
2. May form explosive mixtures with air.
3. Containers exposed to fire may leak their contents through the pressure relief valve, increasing the fire and/or vapour concentration.
4. Vapours may move to the ignition source and flash back.
5. Containers may explode when heated.
6. Containers exposed to fire may leak their contents through the pressure relief valve.
7. Expansion or explosive decomposition may occur upon exposure to heat or flame

**5.3.** Advice for fire-fighters

1. When fighting fires, wear a breathing mask (MSHA/NIOSH compliant or equivalent) and full protective clothing.
2. Put out the fire at a safe distance and with adequate protection.
3. Prevent fire water from contaminating surface and groundwater systems

## Section 6. Accidental Release Measures.

**6.1.** Personal precautions, protective equipment and emergency procedures.

1. Avoid breathing vapor, contact with skin and eyes.
2. Beware of vapor accumulation to explosive concentrations.
3. Vapours can accumulate in low areas.
4. It is recommended that emergency personnel wear positive pressure self-contained breathing apparatus, anti-static protective clothing, and chemical impermeable gloves.
5. Ensure adequate ventilation. Remove all ignition sources.
6. Quickly evacuate personnel to a safe area, away from the spill area and upwind.
7. Use personal protective equipment. Avoid breathing vapours, fumes, gases or dust. Check oxygen content before entering area. Turn leaking cylinder with the leak up to prevent escape of gas in liquid state. Keep unnecessary personnel away

**6.2.** Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not allow material to be released to the environment without proper governmental permits.

**6.3.** Methods and material for containment and cleaning up.

**Methods for containment**

Stop the flow of gas or remove cylinder to outdoor location if this can be done without risk. If leak is in container or container valve, contact the appropriate emergency telephone number in Section 1.

**Methods for cleaning up**

Leak fire: Do not put out fire unless leak can be safely plugged. In case of leakage, remove all ignition sources.

**6.4.** Reference to other sections

See Section 7 for information on Safe Handling.

See Section 8 for information of Personal Protective Equipment.

See Section 13 for information on disposal.

## Section 7. Handling and Storage.

**7.1.** Precautions for safe handling

Airtight operation, full ventilation. Operators must be specially trained and strictly abide by the operating procedures. Keep away from flammable and combustible materials. In case of high concentration contact, wear self-contained filter gas mask (half mask), general work clothes and general work protective gloves. Prevent gas leakage into workplace air. Avoid contact with oxidants. Handle with care to prevent the cylinder and accessories from being damaged. Provide leakage emergency treatment equipment

**7.2.** Conditions for safe storage, including any incompatibilities

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use of explosion-proof lighting, ventilation facilities.

**7.3.** Specific end use(s)

Intended for use as a disposable gas cylinder for the Model Number identified in 1.1 with Description stated in 1.2.

## Section 8. Exposure Controls/Personal Protection.

**8.1.** Control parameters
Workplace exposure limits.

| Component | CAS Number | ACGIH TLV-TWA | ACGIH TLV-STEL | NIOSH REL-TWA | NIOSH REL-STEL |
|---|---|---|---|---|---|
| Propylene | 115-07-1 | 500 ppm | N.E | N.E | N.E |

**8.2.** Exposure controls
Appropriate Engineering Controls

1. Maintain adequate ventilation, especially in enclosed areas.
2. Ensure eyewash and shower facilities are available near the workplace.
3. Use explosion-proof electrical appliances, ventilation, lighting and other equipment.
4. Set up emergency evacuation passages and necessary release areas.

Eye/Face Protection
Wear chemical goggles (compliant with EU EN 166 or US NIOSH).

Skin Protection
Wear chemical protective gloves (eg butyl rubber gloves). It is recommended to choose protective gloves that have been tested to EN 374, US F739 or AS/NZS 2161.1 standards.

Respiratory Protection
If vapour concentrations exceed occupational exposure limits or symptoms such as irritation occur, use a full-face respirator (US) or type AXBEK (EN 14387) respirator cartridge.

## Section 9. Physical and Chemical Properties.

**9.1.** Information on basic physical and chemical properties

**The following information is not a technical specification or sales specification.**

| | |
|---|---|
| (a) Appearance: | Colourless. |
| (b) Odour: | Has a hydrocarbon odour. |
| (c) Odour threshold; | No data available. |
| (d) pH: | No data available. |
| (e) Melting point/freezing point; | -185 ˚C. |
| (f) Initial boiling point and boiling range; | -48 ˚C. |
| (g) Flash point; | No data available. |
| (h) Evaporation rate; | No data available. |
| (i) Flammability (solid, gas); | Extremely flammable. |
| (j) Upper/lower flammability or explosive limits; | 2.4-10.3 %(V/V). |
| (k) Vapour pressure; | 1158 kPa (25 ˚C). |
| (l) Vapour density; | 0.5. |
| (m) Relative density; | 1.5. |
| (n) Solubility(ies); | Slightly soluble in water, soluble in ethanol and ether. |
| (o) Partition coefficient: n-octanol/water; | 1.77 |
| (p) Auto-ignition temperature; | 460 ˚C. |
| (q) Decomposition temperature; | No data available. |
| (r) Viscosity; | No data available. |
| (s) Explosive properties; | No data available. |
| (t) Oxidising properties. | Oxidiser. |

**9.2** Other information — No data available.

## Section 10. Stability and Reactivity.

| | |
|---|---|
| **10.1.** Reactivity | No data available. |
| **10.2.** Chemical stability | Stable under normal conditions. |
| **10.3.** Possibility of hazardous reactions | The addition products that react with nitrogen dioxide, nitrogen oxides and ammonia to form nitrogen oxides are prone to explosion. |
| **10.4.** Conditions to avoid | Heat and flame and spark. The extreme temperatures and direct sunlight. Static discharge. |
| **10.5.** Incompatible materials | Avoid contact with nitrogen dioxide, nitrogen oxides, ammonia, oxidants, halogenated hydrocarbons and halogens, etc. |
| **10.6.** Hazardous decomposition products | Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). |

## Section 11. Toxicological Information.

**11.1.** Information on toxicological effects
Routes of Entry: Dermal contact, eye contact, inhalation, ingestion.

Acute Toxicity

Propylene (CAS 115-07-1) LD50 (Oral, rat): N/A LC50 (Inhalation, rat): 658 mg/l (4 h) LD50 (Dermal, rabbit): N/A

Skin corrosion/Irritation Not classified

Serious eye damage/irritation Not classified

Respiratory or skin sensitization Not classified

Germ cell mutagenicity Not classified

Carcinogenicity Not classified

Reproductive toxicity Not classified

STOT-single exposure Not classified

STOT-repeated exposure Not classified

Aspiration hazard Not classified

Chronic Effects Not classified

Further Information When the container is damaged, the liquid rapidly evaporates, causing supersaturation in the air of the enclosed space, posing a serious risk of suffocation. When inhaled with high concentration of gas, general paralysis and other similar symptoms may occur; When in direct contact or inhalation, temporary symptoms such as dizziness, headache, dullness, wheezing, blurred consciousness, and motor dysfunction may occur. In severe cases, it can lead to arrhythmia or even cardiac arrest.

## Section 12. Ecological Information.

| | |
|---|---|
| 12.1. Toxicity | Test & Species<br>96 Hr LC50 Fish: N/A<br>48 Hr EC50 Daphnia: N/A<br>72 Hr EC50 Algae: N/A |
| 12.2. Persistence and degradability | No data available. |
| 12.3. Bioaccumulative potential | No data available. |
| 12.4. Mobility in soil | No data available. |
| 12.5. Results of PBT and vPvB assessment | No data available. |
| 12.6. Other adverse effects | No data available. |

## Section 13. Disposal Considerations.

**13.1.** Waste treatment methods
Disposal must be in accordance with local authority regulations.

## Section 14. Transport Information.

ADR. International Carriage of Dangerous Goods by Road.

| | |
|---|---|
| **14.1.** UN number | UN 1077 |
| **14.2.** Name and Description | Propylene |
| **14.3.** Class | 2 |
| **14.4.** Packing group | - |
| **14.5.** Environmental hazards | Does not present an environmental hazard. |
| **14.6.** Special precautions for user | No special precautions necessary. |

IATA. International Air Transport Association.

| | |
|---|---|
| **14.1.** UN number | UN 1077 |
| **14.2.** UN Proper Shipping Name/Description | Propylene |
| **14.3.** Class or Division | 2.1 |
| **14.4.** Packing group | - |
| **14.5.** Environmental hazards | Does not present an environmental hazard. |
| **14.6.** Special precautions for user | No special precautions necessary. |

IMDG. International Maritime Dangerous Goods.

| | |
|---|---|
| **14.1.** UN number | UN 1077 |
| **14.2.** UN proper shipping name | Propylene |
| **14.3.** Class or Division | 2.1 |
| **14.4.** Packing group | - |
| **14.5.** Environmental hazards | Does not present an environmental hazard. |
| **14.6.** Special precautions for user | No special precautions necessary. |
| **14.7.** Transport in bulk – Maritime only. | Bulk transport is not applicable to this product |

## Section 15. Regulatory Information.

**15.1.** Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available.

**15.2.** Chemical safety assessment
No data available.

## Section 16. Additional Information.

Full text of Statements used in Section 3;

H220 Extremely flammable gas.

The above information is believed to be accurate and represents the best information currently available.
No warranty is expressed or implied by the above information.
We assume no liability resulting from use of the above information.
The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

| Issue level | Date | Revisions |
|---|---|---|
| 1 | 24/07/2025 | First issue. |
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End of Safety Data Sheet.