



## SAFETY DATA SHEET

NO.77 HYPERFRESH

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Revision No: 1

### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

**Product name:** NO.77 HYPERFRESH  
**Company name:** AUTOGLYM  
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Letchworth  
Herts  
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UK  
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### 2. HAZARDS IDENTIFICATION

**Classification under CHIP:** Extremely flammable.

**Workplace exposure limit:** This substance does not have a workplace exposure limit.

**PBT:** This substance is not identified as a PBT substance.

**Directive 1999/45/EC:** This mixture meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** BUTANE 10-30%  
EINECS: 203-448-7 CAS: 106-97-8  
[F+] R12

- D-LIMONENE <1%  
EINECS: 227-813-5 CAS: 5989-27-5  
[-] R10; [Xi] R38; [Sens.] R43; [N] R50/53
- PROPAN-2-OL 1-10%  
EINECS: 200-661-7 CAS: 67-63-0  
[F] R11; [Xi] R36; [-] R67

### 4. FIRST AID MEASURES

**Skin contact:** 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 contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

[cont...]

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.  
Consult a doctor.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

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

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

## 7. HANDLING AND STORAGE

**Handling requirements:** Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Hazardous ingredients:** BUTANE  
UK - 8 hour TWA: 1450 mg/m<sup>3</sup>  
UK - 15 min. STEL: 1810 mg/m<sup>3</sup>

- PROPAN-2-OL  
UK - 8 hour TWA: 999 mg/m<sup>3</sup>  
UK - 15 min. STEL: 1250 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Aerosol

**Colour:** Colourless

**Odour:** Pleasant

**Solubility in water:** Insoluble

**Flammability limits %: lower:** 0.7

**upper:** 12

**Flash point°C:** -40

**Autoflammability°C:** 255

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions. Stable at room temperature.

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames. Direct sunlight.

**Materials to avoid:** Strong oxidising agents. Strong acids.

**Haz. decomp. products:** In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

### 11. TOXICOLOGICAL INFORMATION (SYMPTOMS)

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be a feeling of tightness in the chest with shortness of breath.  
Drowsiness or mental confusion may occur.

## 12. ECOLOGICAL INFORMATION

**Mobility:** Readily absorbed into soil.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

**PBT identification:** This substance is not identified as a PBT substance.

## 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** 1950 **ADR Class:** 2  
**Classification code:** 5F  
**Shipping name:** AEROSOLS (BUTANE; ISOBUTANE; PROPANE)  
**Labelling:** 2.1

**IMDG / IMO**

**UN no:** 1950 **Class:** 2  
**EmS:** F-D,S-U **Marine pollutant:** .  
**Labelling:** 2.1

**IATA / ICAO**

**UN no:** 1950 **Class:** 2  
**Labelling:** 2.1

**15. REGULATORY INFORMATION (CHIP)**

**Hazard symbols:** Extremely flammable.



**Risk phrases:** R12: Extremely flammable.

**Safety phrases:** S23: Do not breathe ...

S24/25: Avoid contact with skin and eyes.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S51: Use only in well-ventilated areas.

**Precautionary phrases:** Contains .... May produce an allergic reaction.

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

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Other information:** This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

\* indicates text in the SDS which has changed since the last revision.

**Risk phrases used in s.3:** R12: Extremely flammable.

R10: Flammable.

R38: Irritating to skin.

R43: May cause sensitisation by skin contact.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R11: Highly flammable.

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.