

**Article number** : 401006-08**Trade name** : Blue Flame Torch**Print date** : 19.06.04**Last revision date**: 18.06.04**1. NAME OF SUBSTANCE / PREPARATION AND COMPANY****Trade name**: Blue Flame Torch**Manufacturer** :

Häger & Werken GmbH & Co. KG  
Ackerstr. 1 D-47269 Duisburg  
P.O.B. 10 06 54 D-47006 Duisburg  
Phone : +31 36 53 46 496

**2. NAME OF SUBSTANCE / PREPARATION AND COMPANY****The principal components are:**

1. Tank body: Acrylnitrile- styrene- copolymer CAS No. 9003-54-7
2. Content: Propane/butane

**3. POSSIBLE HAZARDS**

Highly inflammable.

Providing they are stored and handled in compliance with instructions, gas torches do not pose a threat to health.

Do not expose container to temperatures exceeding 50°C (e.g. direct sunlight). Do not open by force. Store in well-ventilated rooms at room-temperature. Refer to section 6 TRGS\* 300.

**4. FIRST AID MEASURES**

Rinse eyes out well with water in the event that eyes come into contact with the product.  
Breathe in plenty of fresh air after inhaling. Consult a doctor if symptoms persist.

**5. ACTIONS IN CASE OF FIRE**

Remove the torch from the endangered area - risk of explosion - and extinguish the fire with water jet spray, foam, extinguishing powder, CO<sub>2</sub>. Fire can produce poisonous fumes. Fire fighting personnel must wear breathing apparatus.

**6. ACTIONS IN CASE OF UNINTENTIONAL RELEASE**

n/a

**7. HANDLING AND STORAGE**

12) Ignition group (VDE 165) : G2

Do not expose torches to temperatures exceeding 50°C (e.g. direct sunlight). Do not open by force. Store at room-temperature in well-ventilated rooms. Smoking, open fires and storage of waste not allowed in rooms where gas torches are stored. Refer section 6 TRGS\*300.

**8. MAXIMUM EXPOSURE LIMITS AND PERSONAL PROTECTION EQUIPMENT**

n/a

**9. PHYSICAL AND CHEMICAL PROPERTIES****Form**: Aerosol

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10530 mbar at 70°C**Viscosity**: not applicable**Liquid solubility**: practically insoluble**PH value**: not applicable**Flash point**: not applicable**Ignition temperature**: 430°C**Explosion limits**: Min: 1,5 vol% Max: 8,5 vol.%

### 10. STABILITY AND REACTIVITY

Exposure to temperatures exceeding 50°C causes impermissible increases in pressure and can cause the torch tank to burst.

### 11. TOXICOLOGICAL INFORMATION

May cause nausea and dizziness if inhaled and drowsiness which may lead to unconsciousness if large doses are inhaled.

Providing gas torches are used in compliance with safety instructions dangerous side effects are not known.

### 12. ECOLOGICAL INFORMATION

Specific ecological data is not available for gas torches.

**Water pollution**: none**TA\* air**: Kategorie III

### 13. INFORMATION ON DISPOSAL

Only torches completely empty of gas may be disposed of (household waste).

### 14. TRANSPORT REGULATION

#### By road - truck / rail

**Name**: GGVS/GGVE \* Pressurised gas pack**ADR/RID\***: Pressurised gas pack**Hazardous goods class**: class 2**Classifizierungscode**: 6 F**Accident data sheet**: GGVS/GGVE\* 1 copy

ADR/RID\* 1 copy from 333 kilos gross

**Hazardous goods label**: No. 3 inflammable gases (2)**Tested packing**: UN tested 4G cartons**Markings**: UN - test number as well as AEROSOL

#### By sea GGVSea\* / IMDG\*

**Name**: Torches containing flammable gas**Class**: 2 (2.1)

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**UN-No:** 1057**Page:** 2154**Emergency schedule:** 2-13**Medical first aid guide:** 620 + 311**Accompanying documents:** Dangerous goods Declaration indicating "NONE-MARINE POLLUANT"**Hazardous goods label:** Flammable gas (2)**Tested packing:** UN tested 4G cartons (Insurancce group II)**Markings:** UN-test number**Regulations for transport to and from port:** Refer to guidelines on road - truck / rail transportation.

By air IATA\*

**Name:** Torches, containing flammable gas**Class:** 2.1**UN-No.:** 1057**Packing note:** 201**Accompanying documents:** Consignor's declaration of dangerous goods**Hazardous goods label:** Flammable gas (2)**Tested packing:** UN tested 4G cartons**Markings:** UN - Test number**Regulations for transport to and from airport:** Refer to guidelines on road - truck / rail

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## 15. REGULATORY INFORMATION

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Adhere to accident prevention and fedeeral emission protection regulations.

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## 16. OTHER INFORMATION

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The recommendations given in this safety sheet are based on our suppliers' safety sheets.  
We take no responsibility for the correctness and completeness of the recommendations here in.  
The user must convince himself that statements suffice and apply to this particular usage.

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## 17. ABBREVIATIONS USED

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**TRGS:** Technical Regulations for Hazardous goods**DIN:** German standarts**TA:** German Tecnical Instructions/Guidelines**GGVS:** Regulation re Transport of Hazardous Goods via road**GGVE:** Regulation re Transport of Hazardous Goods via rail**ADR:** European agreement re Transport of Hazardous Goods via Road**RID:** European agreement re Transport of Hazardous Goods via Rail**IMDG:** International Maritime Dangerous Goods Code**IATA:** International AirTransport Association