

Gas Torch**Distributor**

Kisag AG
Bahnhofstrasse 3
CH-4512 Bellach Switzerland
Herr R. Mercerat
+41 32 617 32 60
kisag@kisag.ch
In case of emergency : Tox Zentrum +41 44 251 51 51

Name: **Gas Torch-3478**

Section 1 – Chemical Product

MSDS Name: Gas Torch-3478

Section 2 - COMPOSITION, INFORMATION ON INGREDIEN

CAS#	Chemical Name	content	EINECS#
106-97-8	Butane	80	203-448-7
74-98-6	Propane	20	200-827-9



Hazard Symbols: F+
Risk Phrases: 12

Section 3 - HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Extremely flammable.

Potential Health Effects

Eye:

May cause eye irritation.

Ingestion:

May cause irritation of the digestive tract.

Inhalation:

Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. May cause cardiac sensitization and possible failure. May cause nausea, dizziness, and headache.

Chronic:

Chronic inhalation may cause effects similar to those of acute inhalation.

Gas Torch**SECTION 4 - FIRST AID MEASURES**

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.



Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

SECTION 5 - HANDLING and STORAGE

Handling:

Wash thoroughly after handling. Use with adequate ventilation.

Storage:

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 6 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Exposure Limits CAS# 106-97-8: United Kingdom, WEL - TWA: 600 ppm TWA; 1450 mg/m³ TWA United Kingdom, WEL - STEL: 750 ppm STEL; 1810 mg/m³ STEL Belgium -TWA: 800 ppm VLE; 1928 mg/m³ VLE France - VME: 800 ppm VME; 1900 mg/m³ VME Germany: 1000 ppm TWA; 2400 mg/m³ TWA Japan: 500 ppm OEL; 1200 mg/m³ OEL Malaysia: 800 ppm TWA; 1900 mg/m³ TWA Netherlands: 600 ppm MAC; 1430 mg/m³ MAC Russia: 300 mg/m³ TWA Spain: 1000 ppm VLA-ED (listed under Aliphatic hydrocarbon gases mixtures alkanes C Personal Protective Equipment



MATERIAL SAFETY DATA SHEET

Page : 3 of 5

Revised edition no : 0

Date : 31.05.2013

Supersedes : 0 / 0 / 0

Gas Torch

SECTION 7 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Aerosol
Color:	colorless
Odor:	faint, disagreeable
pH:	Not available.
Vapor Pressure:	1557 mm Hg @20C
Viscosity:	Not available.
Boiling Point:	30 deg F
Freezing/Melting Point:	-216 deg F
Autoignition Temperature:	549 deg F (287.22 deg C)
Flash Point:	-76 deg F (-60.00 deg C)
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	
Solubility in water:	
Specific Gravity/Density:	0.5788
Molecular Formula:	C4H8
Molecular Weight:	56.056

SECTION 8 - STABILITY AND REACTIVITY

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Ignition sources, excess heat.
Incompatibilities with Other Materials:
Oxidizing agents, fluorine, nickel carbonyl, chlorine.
Hazardous Decomposition Products:
Oxides of carbon.
Hazardous Polymerization: Will not occur.

SECTION 9 - TOXICOLOGICAL INFORMATION

Information on toxicological effects
Components that are toxic are mentioned in section 2.

Kisag AG

Bahnhofstrasse 3 CH-4512 Bellach Switzerland
Herr R. Mercerat
+41 32 617 32 60
kisag@kisag.ch

Gas Torch**SECTION 10 - ECOLOGICAL INFORMATION**

10.1 Toxicity

- Product is not classified as dangerous for environment.

10.2 Persistence and degradability

- It oxidizes very quickly in air (photochemical reaction).
- There are no data on the degradability of this product.

10.3 Bio-accumulative potential

- No data available on bioaccumulation.

10.4 Mobility in soil

- Product evaporates very quickly from soil and water. It dispersed in air. Highly volatile.

10.5 Results of PBT and vPvB assessment

- This product does not contain any PBT or vPvB Substances.

10.6 Other adverse effects

None known.

SECTION 11 - TRANSPORT INFORMATION

IATA

Shipping Name: LIGHTERS

Hazard Class: 2.1

UN Number: 1057

Packing Group:

IMO Shipping Name: LIGHTERS

Hazard Class: 2.1

UN Number: 1057

Packing Group: II

RID/ADR

Shipping Name: LIGHTERS



Hazard Class: 2.1

UN Number: 1057

Packing group: II



MATERIAL SAFETY DATA SHEET

Page : 5 of 5

Revised edition no : 0

Date : 31.05.2013

Supersedes : 0 / 0 / 0

Gas Torch

SECTION 12 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: F+

Risk Phrases:

R 12 Extremely flammable.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 106-97-8: 0

Canada

CAS# 106-97-8 is listed on Canada's DSL List.

CAS# 106-97-8 is listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 106-97-8 is listed on the TSCA inventory.

End of document

Kisag AG

Bahnhofstrasse 3 CH-4512 Bellach Switzerland

Herr R. Mercerat

+41 32 617 32 60

kisag@kisag.ch