



# MATERIAL SAFETY DATA SHEET

REVISION:

5I

DATE:

15/01/20

## MULTIPURPOSE LIGHTERS

NOTE: The documents printed or distributed are only for immediate use.

### 1. IDENTIFICATION

#### 1.1 Product identification.-

Product: Multipurpose lighters

Contents: Liquefied petroleum gas (LPG)

Brand: CLIPPER

Main use: Ignition of heaters, stoves, barbecues, candles and similar. This product is not intended to light cigarette, pipes, cigars, ...

UN #: 1057 Lighters

#### 1.2 Company identification.-

CLIPPER 1959, S.L.U.

Metalurgia, 38-42

08038 Barcelona (Spain)

TEL. +34 93 291 05 05

FAX. +34 93 291 05 03

Emergency call: +34 93 842 64 25

### 2. INFORMATION ABOUT HAZARDOUS PRODUCTS

Gas is the only one dangerous component. Under reasonable conditions of storage and use, the liquefied petroleum gas carries a negligible risk to health. However, being heavier than air, the gas can accumulate in unventilated spaces and can reach concentrations that could become a risk of explosion or asphyxiation. The direct skin contact with liquefied gas can cause frostbite or cold burns. Multipurpose lighters may put in a similar risk when gas is extracted, due to the cooling effect. Strict precautions must be observed for handling.

### 3. COMPOSITION / INFORMATION ABOUT COMPONENTS

The gas composition is a mixture of hydrocarbons - Butane, Propane and Isobutane mainly.

Component's properties. -

#### Isobutane.-

FORMULE: C<sub>4</sub>H<sub>10</sub>

CAS N°: 75-28-5

ICSC N°: 0901

RTECS N°: TZ4300000

CE N°: 200-857-2

Index N°: 601-004-00-0

OSHA PEL: 800 PPM

ACGIH TLV: 1000 PPM

UN #:1969

Volume fraction: 95% minimum



#### Propane.-

FORMULE: C<sub>3</sub>H<sub>8</sub>

CAS N°: 74-98-6

CSC N°: 0319

RTECS N°: TX2275000

CE N°: 200-827-9

Index N°: 601-003-00-5

OSHA PEL: 1000 PPM

ACGIH TLV: 1000 PPM

UN #:1978

Volume fraction: < 5%



#### Butane.-

FORMULE: C<sub>4</sub>H<sub>10</sub>

CAS N°: 106-97-8

ICSC N°: 0232

RTECS N°: EJ4200000

CE N°: 203-448-7

Index N°: 601-004-00-0

OSHA PEL: 800 PPM

ACGIH TLV: 1000 PPM

UN #:1011

Volume fraction: < 5%

