



SAFETY DATA SHEET

LIGHTERS

Section 1. Identification

GHS product identifier	: LIGHTERS
Trade name	: SCRIPTO AIM 'N FLAME, AIM 'N FLAME II, DECOFLEX, DECOLITE, VIEWS, TINYLITE, MINI-MATCH, DNA, SPECTRA, MIGHTY MATCH, ELECTRONIC, TURBO, MEGA, CALICO, JEWELTONES, HOTSHOT, HOTSHOT2, TOKAI, KLEARLITE, ZAFE, MINI-KLEARLITE, KING, GEMSTONES, GEMTONES.
Product type	: Liquefied gas.
Identified uses	: Cigarette Lighters and Multi-Purpose Utility Lighters.
Supplier/Manufacturer	: Tokai of Canada, LTD. Oakville, ON L6J7J9 Canada Telephone Number for Information (Customer Service): 1-800-241-8552 www.tokai.ca
Emergency telephone number	: CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER N.A. Toll Free: 1-800-255-3924 International: 01-813-248-0585

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: FLAMMABLE GASES - Category 1 GASES UNDER PRESSURE - Liquefied gas

GHS label elements

Hazard pictograms



Signal word

: Danger

Hazard statements

: Extremely flammable gas.
Contains gas under pressure; may explode if heated.

Precautionary statements

General

: Read label before use. Keep out of reach of children. Follow instructions and warnings provided by the manufacturer when using this product. Fire and explosion hazards when exposed to heat or flame. Containers may explode when heated. Vapors may travel to source of ignition and flash back. May vent and release flammable gas through pressure relief devices. Do not inhale contents.

Section 2. Hazards identification

- Prevention** : Never expose to heat above 120°F (49°C) or to prolonged sunlight. Keep away from sparks and open flames. No smoking. When in use, ignite lighters away from face and clothing. Be sure flame is out after use. Do not keep lit for more than 30 seconds. Hot. Extreme heat may be present above the visible flame. Flame can ignite materials not in direct contact with the visible flame. Do not touch nozzle tip after use.
- Response** : Leaking gas fire. Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so.
- Storage** : Store in cool ventilated area. Pack in closed approved UN tested shippers. Do not puncture or incinerate containers. Follow all instructions and warnings provided on the packaging. Keep secured. Storage must be clearly identified and well-illuminated. Adequate security must be provided with authorized access only.
- Disposal** : Disposal must be made in compliance with the requirements of local and federal hazmat and waste disposal regulations.
- Hazards not otherwise classified** : Liquid gas can cause burns similar to frostbite.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Trade name** : SCRIPTO AIM 'N FLAME, AIM 'N FLAME II, DECOFLEX, DECOLITE, VIEWS, TINYLITE, MINI-MATCH, DNA, SPECTRA, MIGHTY MATCH, ELECTRONIC, TURBO, MEGA, CALICO, JEWELTONES, HOTSHOT, HOTSHOT2, TOKAI, KLEARLITE, ZAFE, MINI-KLEARLITE, KING, GEMSTONES, GEMTONES.

CAS number/other identifiers

- CAS number** : Not applicable.
- Product code** : Not available.

Canada

Name	%	CAS number
Butane	80 - 100	106-97-8
Propane	0 - 20	74-98-6

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 4. First aid measures

- Skin contact** : Flush contaminated skin with plenty of water. To avoid the risk of static discharges and gas ignition, soak contaminated clothing thoroughly with water before removing it. Get medical attention if symptoms occur. In case of contact with liquid, warm frozen tissues slowly with lukewarm water and get medical attention. Do not rub affected area. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if adverse health effects persist or are severe. Ingestion of liquid can cause burns similar to frostbite. If frostbite occurs, get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. As this product rapidly becomes a gas when released, refer to the inhalation section.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Liquid can cause burns similar to frostbite.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite.
- Ingestion** : Ingestion of liquid can cause burns similar to frostbite.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
frostbite
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Adverse symptoms may include the following:
frostbite
- Ingestion** : Adverse symptoms may include the following:
frostbite

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : SMALL FIRE: Use dry chemical or CO₂. LARGE FIRE: Use alcohol-resistant foam or water spray or fog.
- Unsuitable extinguishing media** : None known.

Section 5. Fire-fighting measures

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| Specific hazards arising from the chemical | : Contains gas under pressure. Extremely flammable gas. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. |
| Hazardous thermal decomposition products | : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide |
| Special protective actions for fire-fighters | : Contact supplier immediately for specialist advice. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. If involved in fire, shut off flow immediately if it can be done without risk. If this is impossible, withdraw from area and allow fire to burn. Fight fire from protected location or maximum possible distance. Eliminate all ignition sources if safe to do so. |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. For incidents involving large quantities, thermally insulated undergarments and thick textile or leather gloves should be worn. |

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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| For non-emergency personnel | : Accidental releases pose a serious fire or explosion hazard. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing gas. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| For emergency responders | : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Environmental precautions | : Ensure emergency procedures to deal with accidental gas releases are in place to avoid contamination of the environment. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

Methods and materials for containment and cleaning up

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| Small spill | : Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment. |
| Large spill | : Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Contains gas under pressure. Store in cool, ventilated area. Store away from heat, sparks, open flame, direct sunlight and temperatures exceeding 120°F (49°C). Do not puncture or incinerate container.

Advice on general occupational hygiene : No smoking.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use.

Section 8. Exposure controls/personal protection

Control parameters

United States

Occupational exposure limits

None.

Canada

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			Notations
Ingredient	List name	ppm	mg/m ³	Other	ppm	mg/m ³	Other	ppm	mg/m ³	Other	
Butane	US ACGIH 3/2012	1000	-	-	-	-	-	-	-	-	
	AB 4/2009	1000	-	-	-	-	-	-	-	-	
	BC 4/2012	600	-	-	750	-	-	-	-	-	
	ON 7/2010	800	-	-	-	-	-	-	-	-	
	QC 9/2011	800	1900	-	-	-	-	-	-	-	
Propane	US ACGIH 3/2012	1000	-	-	-	-	-	-	-	-	
	AB 4/2009	1000	-	-	-	-	-	-	-	-	
	BC 4/2012	1000	-	-	-	-	-	-	-	-	
	ON 1/2013	1000	-	-	-	-	-	-	-	-	
	QC 12/2012	1000	1800	-	-	-	-	-	-	-	

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Not required under normal conditions of use.

Skin protection

Hand protection : Not required under normal conditions of use.

Body protection : Not required under normal conditions of use.

Section 8. Exposure controls/personal protection

- Other skin protection : Not required under normal conditions of use.
- Respiratory protection : Use suitable respiratory protective device in case of insufficient ventilation.

Section 9. Physical and chemical properties

Appearance

- Physical state : Gas. [Liquefied gas.]
- Color : Colorless.
- Odor : Odorless or can have a faint gas odor.
- Odor threshold : Not available.
- pH : Not available.
- Melting point : Not available.
- Boiling point : -15 to 0°C (5 to 32°F)
- Flash point : Closed cup: -90 to -73°C (-130 to -99.4°F)
- Evaporation rate : Not available.
- Flammability (solid, gas) : Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.
- Lower and upper explosive (flammable) limits : Lower: 1.8%
Upper: 8.8%
- Vapor pressure : 150 to 250 kPa (1125.1 to 1875.2 mm Hg) [room temperature]
- Vapor density : 2 [Air = 1]
- Relative density : 0.56
- Solubility : Insoluble in the following materials: cold water and hot water.
- Partition coefficient: n-octanol/water : Not available.
- Auto-ignition temperature : Not available.
- Decomposition temperature : Not available.
- Viscosity : Not available.

Section 10. Stability and reactivity

- Reactivity : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability : The product is stable.
- Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not smoke.
- Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials and acids.
- Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

There is no data available.

Irritation/Corrosion

There is no data available.

Sensitization

There is no data available.

Carcinogenicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact	: Liquid can cause burns similar to frostbite.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite.
Ingestion	: Ingestion of liquid can cause burns similar to frostbite.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Adverse symptoms may include the following: frostbite
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Adverse symptoms may include the following: frostbite
Ingestion	: Adverse symptoms may include the following: frostbite

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects	: No known significant effects or critical hazards.
Potential delayed effects	: No known significant effects or critical hazards.

Long term exposure

Potential immediate effects	: No known significant effects or critical hazards.
Potential delayed effects	: No known significant effects or critical hazards.

Potential chronic health effects

General	: No known significant effects or critical hazards.
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Section 11. Toxicological information

Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

Section 12. Ecological information

Toxicity

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil




Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : Disposal must be made in compliance with the requirements of local and federal hazmat and waste disposal regulations.

Section 14. Transport information

	DOT/MEX/TDG Classification	IMDG	IATA
UN number	UN1057	UN1057	UN1057
UN proper shipping name	Lighters	Lighters	Lighters
Transport hazard class(es)	2.1 	2.1 	2.1 
Packing group			

Section 14. Transport information

Environmental hazards	No.	No.	No.
Additional information	See shipping paper for applicable LAA number.	See shipping paper for applicable LAA number.	See shipping paper for applicable LAA number.

AERG : 115

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available.
to Annex II of MARPOL
73/78 and the IBC Code

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
United States inventory (TSCA 8b): All components are listed or exempted.
Clean Air Act (CAA) 112 regulated flammable substances: Butane; Propane

Clean Air Act Section 112 : Not listed
(b) Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 : Not listed
Class I Substances

Clean Air Act Section 602 : Not listed
Class II Substances

DEA List I Chemicals : Not listed
(Precursor Chemicals)

DEA List II Chemicals : Not listed
(Essential Chemicals)

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Fire hazard

State regulations

Massachusetts : The following components are listed: Butane; Propane

New York : None of the components are listed.

New Jersey : The following components are listed: Butane; Propane

Pennsylvania : The following components are listed: Butane; Propane

California Prop. 65

No products were found.

Canada

Section 15. Regulatory information

WHMIS (Canada) : Class A: Compressed gas.
Class B-1: Flammable gas.

Canadian lists

Canadian NPRI : The following components are listed: Butane; Propane

CEPA Toxic substances : None of the components are listed.

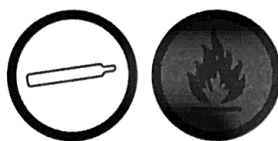
Canada inventory : All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16. Other information

Canada

WHMIS (Canada) :



History

Date of issue mm/dd/yyyy : 05/05/2014

Version : 1

Revised Section(s) : Not applicable.

Prepared by : Tokai of Canada, LTD. Website: www.tokai.ca

Key to abbreviations

: ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.