SAFETY DATA SHEET

Issuing Date No data available **Revision Date** 29-Jun-2017 **Revision Number** 1

NGHS / English

1. IDENTIFICATION

Product identifier

Product Name XXL Torch

Other means of identification

Product Code(s) 1399871

Recommended use of the chemical and restrictions on use

Recommended Use Lighters

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Identification Novelty, Inc.

Address 351 W Muskegon Dr
Greenfield
IN
46140
US

Telephone Phone:3174623121
Fax:3174623121

E-mail awhaley@noveltyinc.com

Emergency telephone number

Company Emergency Phone Number 3174773542

2. HAZARDS IDENTIFICATION

Classification

Flammable gases	Category 1

Gases under pressure	Liquefied Gas

Appearance Clear to yellow **Physical state** Compressed liquefied gas Gas **Odor** Slight

GHS Label elements, including precautionary statements

Danger

Hazard statements
Extremely flammable gas
Contains gas under pressure; may explode if heated

Precautionary Statements - Prevention
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Precautionary Statements - Response

Skin
Eliminate all ignition sources if safe to do so
Fire
Leaking gas fire: Do not extinguish, unless leak can be stopped safely

Precautionary Statements - Storage
Store in well-ventilated place
Protect from sunlight. Store in a well-ventilated place

Other information
Unknown acute toxicity 99.54 % of the mixture consists of ingredient(s) of unknown toxicity
99.54 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
99.54 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
99.54 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
99.54 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS-No	Percent	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Butane	106-97-8	73.11	-	-
Isobutane	75-28-5	24.63	-	-
Propane	74-98-6	1.8	-	-
Pentane	109-66-0	0.23	-	-
Heptane (n-)	142-82-5	0.23	-	-

4. FIRST AID MEASURES

First aid measures

General advice Show this safety data sheet to the doctor in attendance.
Inhalation Remove to fresh air.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact In case of contact with liquefied gas, thaw frosted parts with lukewarm water.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray.

Unsuitable extinguishing media DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

Specific hazards arising from the chemical Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cylinders may rupture under extreme heat. Damaged cylinders should be handled only by specialists. Containers may explode when heated. Ruptured cylinders may rocket.

Hazardous Combustion Products Carbon oxides.

Explosion Data
Sensitivity to Mechanical Impact Yes.

Sensitivity to Static Discharge	Yes.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges. Contents under pressure. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of weld containers.
Other Information	Ventilate the area.

Methods and material for containment and cleaning up

Methods for containment	Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Flood with water to complete polymerization and scrape off floor.
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling	Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use spark-proof tools and explosion-proof equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Keep in an area equipped with sprinklers. Do not puncture or incinerate cans. Contents under pressure. In case of rupture. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of weld containers.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits .

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Butane 106-97-8	STEL: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m^3	TWA: 800 ppm TWA: 1900 mg/m^3
Isobutane 75-28-5	STEL: 1000 ppm	N/A	N/A
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m^3	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m^3
Pentane 109-66-0	TWA: 1000 ppm	TWA: 1000 ppm TWA: 2950 mg/m^3 (vacated) TWA: 600 ppm (vacated) TWA: 1800 mg/m^3 (vacated) STEL: 750 ppm (vacated) STEL: 2250 mg/m^3	IDLH: 1500 ppm Ceiling: 610 ppm 15 min Ceiling: 1800 mg/m^3 15 min TWA: 120 ppm TWA: 350 mg/m^3
Heptane (n-) 142-82-5	STEL: 500 ppm TWA: 400 ppm	TWA: 500 ppm TWA: 2000 mg/m^3 (vacated) TWA: 400 ppm (vacated) TWA: 1600 mg/m^3 (vacated) STEL: 500 ppm (vacated) STEL: 2000 mg/m^3	IDLH: 750 ppm Ceiling: 440 ppm 15 min Ceiling: 1800 mg/m^3 15 min TWA: 85 ppm TWA: 350 mg/m^3

Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec
Butane 106-97-8	TWA: 1000 ppm	TWA: 600 ppm TWA: 1000 ppm STEL: 750 ppm	TWA: 800 ppm TWA: 1000 ppm STEL: 1000 ppm	TWA: 800 ppm TWA: 1900 mg/m^3
Isobutane 75-28-5		TWA: 1000 ppm	TWA: 800 ppm TWA: 1000 ppm STEL: 1000 ppm	
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm	TWA: TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m^3
Pentane 109-66-0	TWA: 600 ppm TWA: 1770 mg/m^3	TWA: 600 ppm	TWA: 600 ppm	TWA: 120 ppm TWA: 350 mg/m^3
Heptane (n-) 142-82-5	TWA: 400 ppm TWA: 1640 mg/m^3 STEL: 500 ppm STEL: 2050 mg/m^3	TWA: 400 ppm STEL: 500 ppm	TWA: 400 ppm STEL: 500 ppm	TWA: 400 ppm TWA: 1640 mg/m^3 STEL: 500 ppm STEL: 2050 mg/m^3

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state	Compressed liquefied gas; Gas
Appearance	Clear to yellow
Odor	Slight
Color	No information available
Odor Threshold	0.010 - 2.014 ppm (phosphine)

Property	**Values**	**Remarks Method**
pH	No data available	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.564	
Water Solubility	Negligible	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	N/A	
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Other Information

Explosive properties	No information available
Oxidizing properties	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

10. STABILITY AND REACTIVITY

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to avoid Heat, flames and sparks. Excessive heat.

Incompatible materials None known based on information supplied.

Hazardous Decomposition Products Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Information on toxicological effects

Symptoms No information available.

Numerical measures of toxicity

Acute Toxicity

Unknown acute toxicity 99.54 % of the mixture consists of ingredient(s) of unknown toxicity
99.54 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
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0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
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Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Butane	-	-	= 658 g/m^3 (Rat) 4 h
Isobutane	-	-	= 658 mg/L (Rat) 4 h
Propane	-	-	= 658 mg/L (Rat) 4 h
Pentane	> 2000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	= 364 g/m^3 (Rat) 4 h
Heptane (n-)	-	= 3000 mg/kg (Rabbit)	= 103 g/m^3 (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Pentane	-	96h LC50: = 9.87 mg/L (Oncorhynchus mykiss) 96h LC50: = 11.59 mg/L (Pimephales promelas) 96h LC50: = 9.99 mg/L (Lepomis macrochirus)	-	48h EC50: = 9.74 mg/L
Heptane (n-)	-	96h LC50: = 375.0 mg/L (Cichlid fish)	-	24h EC50: > 10 mg/L

Persistence and Degradability No information available.

Bioaccumulation

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Chemical name	Log Pow
Butane	2.89
Isobutane	2.88
Propane	2.3
Pentane	3.39
Heptane (n-)	4.66

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

US EPA Waste Number D001

California Hazardous Waste Codes 331

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste
Pentane 109-66-0	Toxic Ignitable
Heptane (n-) 142-82-5	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT

UN-No.	UN1057
Proper Shipping Name	LIGHTERS
Hazard Class	2.1
Description	UN1057, LIGHTERS, 2.1
Emergency Response Guide Number	115

TDG

UN-No.	UN1057
Proper Shipping Name	LIGHTERS
Hazard Class	2.1
Description	UN1057, LIGHTERS, 2.1

MEX

UN-No.	UN1057
Proper Shipping Name	LIGHTERS
Hazard Class	2.1
Description	UN1057, LIGHTERS, 2.1

ICAO

UN-No.	UN1057
Proper Shipping Name	LIGHTERS
Hazard Class	2.1
Description	UN1057, LIGHTERS, 2.1

IATA

UN-No.	UN1057
Proper Shipping Name	LIGHTERS
Hazard Class	2.1
ERG Code	10L
Description	UN1057, LIGHTERS, 2.1

IMDG/IMO

UN-No.	UN1057
Proper Shipping Name	LIGHTERS
Hazard Class	2.1
EmS-No.	F-D, S-U
Description	UN1057, LIGHTERS, 2.1

RID

UN-No.	UN1057
Proper Shipping Name	LIGHTERS
Hazard Class	2.1
Classification code	6F

Description	UN1057, LIGHTERS, 2.1
ADR/RID-Labels	2.1

ADR

UN-No.	UN1057
Proper Shipping Name	LIGHTERS
Hazard Class	2.1
Classification code	6F
Tunnel restriction code	(D)
Description	UN1057, LIGHTERS, 2.1, (D)

ADN

UN-No.	UN1057
Proper Shipping Name	LIGHTERS
Hazard Class	2.1
Classification code	6F
Special Provisions	201, 654, 658
Description	UN1057, LIGHTERS, 2.1
Hazard Labels	2.1
Limited Quantity	0
Ventilation	VE01

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	Yes
Reactive Hazard	No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

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Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Butane 106-97-8	X	X	X		
Isobutane 75-28-5	X	X	X		
Propane 74-98-6	X	X	X		
Pentane 109-66-0	X	X	X		
Heptane (n-) 142-82-5	X	X	X		

16. OTHER INFORMATION

NFPA	**Health hazards**	1	**Flammability**	4	**Instability**	0	**Physical and Chemical Properties** -
HMIS	**Health hazards**	1	**Flammability**	4	**Physical hazards**	0	**Personal Protection** X

Prepared By
Product Stewardship
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1-800-572-6501

Revision Date 29-Jun-2017

Revision Note No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet