

SAFETY DATA SHEET



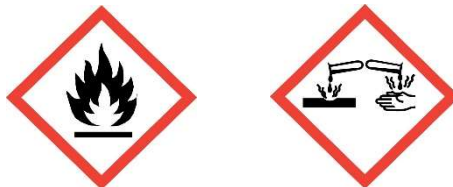
PRODUCT: ORANGE-ONE

CODE: BSCORANGE-1

SECTION 01: IDENTIFICATION

Product Identifier:..... Orange-One
Other means of Identification:..... ORANGE-ONE
Chemical Family: Blend
Recommended Use and Restriction:..... Cleaner, Deodorizer
Initial Supplier Identifier : Pharao, 80 rue Omer-DeSerres, QC J7C5V6
Manufacturer Identifier : Les Investissements B.S.C. Inc. (B.S.C. Inc.)
109 Iber Road, Unit #3, Ottawa, ON
K2S 0X5 613-831-7343
Emergency Telephone Number and 613-831-7343 (M-F 8:00 – 4:00). In the event of a
any restrictions on the use of that number: transport emergency, contact CANUTEC at
613-996-6666

SECTION 02: HAZARD IDENTIFICATION



Signal Word:..... DANGER.
Hazard Classification: Flammable Liquids - Category 3.
Skin Irritation - Category 2.
Serious Eye Damage - Category 1
Hazard Statements:..... H226 Flammable liquid and vapour. H315 Causes skin irritation.
H318 Causes serious eye damage.
Precautionary Statements
Prevention:..... P210 Keep away from all sources of heat, sparks, open flames,
hot surfaces. No smoking.
P233 Keep container tightly closed. P240 Ground and
bond container and receiving equipment. P241 Use
explosion-proof equipment . P242 Use only non-sparking
tools. P243
Take precautionary measures against static discharge.
P264 Wash thoroughly after handling. P280 Wear
protective gloves/protective clothing/eye
protection/face protection.

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SECTION 02: HAZARD IDENTIFICATION

Response:..... P370+P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P302+P352 IF ON SKIN: Wash with plenty of water. P362+P364 Take off contaminated clothing and wash before reuse. P332+P313 If skin irritation occurs: Get medical attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a Poison Control Centre.

Storage:..... P403+P235 Store in well ventilated place. Keep cool.

Disposal:..... P501 Dispose of contents and empty containers in accordance with local regulations.

Other Hazards:..... Not applicable.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT.%
Isopropyl Alcohol	67-63-0	3 -7
Alcohols, C9-11, ethoxylated	68439-46-3	1 -5
Benzenemethanaminium, N-dodecyl-N, N-dimethyl-, chloride	139-07-1	0.5 – 1.5

<< The actual concentration(s) are withheld as a trade secret >>

SECTION 04: FIRST-AID MEASURES

FIRST AID MEASURES:

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth with water, then drink one glass of water. Seek medical attention. Do not give anything to victim if unconscious or convulsing.

Inhalation:..... If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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SECTION 04: FIRST-AID MEASURES

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Eye Contact: Get IMMEDIATE medical attention. Immediately flush eyes with plenty of water, lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse until emergency medical services have arrived.

Symptoms and effects: Causes severe eye irritation and burns. Causes redness, pains, serious burns. Causes skin irritation. May causes respirator tract irritation. Can cause headache, dizziness, nausea, drowsiness, unconsciousness. Harmful if swallowed.

Medical attention and special treatment:..... Treat symptomatically. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable and unsuitable extinguishing media: Carbon dioxide, dry chemical, alcohol foam. Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products By fire: Protect against potentially toxic and irritating fumes.

Special protective equipment and precautions: ... Use self-contained breathing apparatus and full firefighting gear. Decomposition and combustion products may be toxic. Cool fire exposed containers with cold water spray. Heat will cause pressure build up and may cause explosive rupture. Water for maybe used to knock down vapours. Move containers from fire are if safe to do so.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective No action shall be taken involving any personal risk or equipment and emergency procedures without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

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SECTION 06: ACCIDENTAL RELEASE MEASURES

Methods and materials for containment.....Ventilate area. Stop the flow of material, if this is possible
and cleaning up without risk. Dike the spilled material, where this is possible.
Use an inert substance to contain and absorb spilled material.
Shovel to properly identified salvage drum. Seal salvage drum
for disposal.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling:.....Exposure to this product requires prior training and information.
Read the information on the label and the safety data sheet
before handling this product. Keep away from heat, hot surfaces,
sparks, open flames. Ground and bond container and receiving
equipment. Avoid contact with skin and eyes. Do not swallow.
Do not breathe gas/fumes/vapor/spray. Use only in well-
ventilated areas. Handle and open container with care. Launder
contaminated clothing before reuse. When using, do not eat or
drink. Wash hands before eating, drinking, or smoking. Keep
container closed when not in use. Keep away from food.
Employees should wash their hands and face before eating or
drinking.

Conditions for safe storage, including anyKeep container tightly closed in a well ventilated area.
incompatibilities Peroxides can form if this product is stored in contact with
air. Store away from direct sunlight. Store away from
incompatible materials. Vapours are heavier than air and
can accumulate in low areas. Do not store above 40°C.
Keep from freezing.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH REL
	TWA	STEL	PEL	STEL	
Isopropyl Alcohol	200 ppm 400 ppm	400 ppm	400 ppm (980 mg/m3)	500 ppm (1225 mg/m3)	400 ppm (980 mg/m3)
Alcohols, C9-11, ethoxylated	Not established	Not established	Not established	Not established	Not established
Benzenemethanaminium, N-dodecyl-N, N- dimethyl-, chloride	Not established	Not established	Not established	Not established	Not established

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

- 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 limit. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Individual protection measures, such as
Personal protective equipment
- Eye/Type: If potential for contact with liquid or vapor exists, use splash-proof safety goggles and a face shield or other approved eye protection.
- Gloves/Type: Wear skin protection equipment. The selection of skin protection equipment depends on the nature of the work to be performed. Recommended: Neoprene, Nitrile, PVA. Contact glove supplier for additional information.
- Footwear/Type: Wear safety boots per local regulations.
- Clothing/Type: Wear adequate protective clothing to prevent skin contact.
- Respiratory/Type: NIOSH/MSHA approved respirator recommended if mist exposure limit exceeded.
- Other/Type: Handle in accordance with good industrial hygiene and safety practice. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Emergency eye wash station and shower should be available. Anyone handling this product should wash their hands and face before eating, drinking or using tobacco products.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance / physical state: Liquid
- Colour: Orange
- Odour: Orange
- Odour Threshold (ppm): Not applicable
- pH: 6.0
- Melting/Freezing Point: Approximately 0°C / 32°F
- Initial Boiling Point / Boiling Range: Approximately 100°C / 212°F
- Flash Point (deg C), Method: 47.1 C
- Evaporation Rate: Not applicable
- Flammability (solid/gas): Not applicable
- Upper Flammable Limit (% Vol.): No data
- Lower Flammable Limit (% Vol.): No data
- Vapour Pressure (mm Hg): Not applicable
- Vapor Density (Air=1): Not applicable

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Relative Density / Specific Gravity ~ 0.987
 Solubility Soluble
 Coefficient of Water/Oil Distribution..... Not applicable
 Auto Ignition Temperature (deg C)..... Not applicable
 Decomposition Temperature Not applicable
 Viscosity..... Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity: This material is considered to be non-reactive under normal use conditions.
 Chemical stability..... Stable at normal temperatures and pressures.
 Possibility of hazardous reactions: Will not polymerize
 Condition to avoid, including static discharge: ... Avoid all sources of ignition: heat, sparks, open flame. Static shock or vibration discharge. Avoid sunlight
 Incompatible materials: Acids, oxidizing agents, copper alloys, aldehydes, halogens, halogenated compounds. Reactive metals (e.g. sodium, calcium, zinc, etc.) Materials reactive with hydroxyl compounds.
 Hazardous decomposition products:..... No hazardous decomposition products if stored and handled as prescribed/indicated. By fire: Carbon oxides. Aldehydes. Other toxic or irritating fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Isopropyl Alcohol	51.045 mg/L 8 hr rat	5500 mg/kg (oral, rat): 12870 mg/kg (dermal, rabbit)
Alcohols, C9-11, ethoxylated	No Data	>2000 mg/kg (oral, rat) 3000 mg/kg (dermal, rat)
Benzenemethanaminium, N-dodecyl-N, N-dimethyl-, chloride	Not Available	400 mg/kg (oral, rat)

Symptoms related to the physical chemical and toxicological characteristic

Effects of Acute Exposure..... May cause;. Severe skin and eye irritation or burns. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause severe irritation to the nose, throat and respiratory tract. Symptoms may include coughing, choking and wheezing.
 Effects of Chronic Exposure No specific data available. Repeated contact may cause dry skin.
 Carcinogenicity of Material..... Isopropyl Alcohol: IARC-3
 Mutagenicity..... No known mutagenicity effects

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SECTION 11: TOXICOLOGICAL INFORMATION

Reproductive Effects No known reproductive effects
Sensitization
Specific Target Organ Toxicity-single This information, if applicable, can be found in Section 2.
exposure
Specific Target Organ Toxicity-repeated This information, if applicable, can be found in Section 2.
exposure

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... Product data not available. Discharge into the environment must
be avoided.
Persistence and degradability Product data not available.
Bioaccumulation Potential..... Product data not available.
Mobility in soil Product data not available.
Other adverse effects Product data not available.

SECTION 13: DISPOSAL CONSIDERATION

Information on safe handling for disposal Dispose of waste in accordance with all and methods of disposal,
contaminated packaging. including any applicable Federal, Provincial/State and local
regulations.

SECTION 14: TRANSPORT INFORMATION

TDG Classification Not Regulated
Environmental hazards according to the
International Maritim Dangerous Goods Code
And the United Nations Model Regulations..... No data available
Transport in bulk / IBC Code No data available
Proof of Classification..... In accordance with Part 2.2.1 of the Transportation of Dangerous
Goods Regulations (July 2, 2014) – we certify that classification
of this product is correct.

SECTION 15: REGULATORY INFORMATION

CEPA Status All components of this product are listed on the Domestic
Substance List (DSL).
TSCA Inventory Status..... All components are listed on the TSCA or exempt.

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SECTION 16: OTHER INFORMATION

Prepared by Les Investissements B.S.C. Inc.

Disclaimer Information for this safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages which may result from the use or reliance on any information contained in this form. Determining the suitability of the product for any intended use shall be solely the responsibility of the user.

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