



SECTION 1 – IDENTIFICATION

NAME: ORANGE

USE: Concentrated industrial liquid degreaser

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SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARDS: Corrosive to metals, category 1

HEALTH HAZARDS: Skin corrosion/irritation, category 2
Serious eye damage/eye irritation - Serious eye damage, category 1
Sensitization – Skin
Aspiration hazard, category 1

ENVIRONMENTAL HAZARDS: Not available

GHS LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD: DANGER

HAZARD STATEMENTS: May be corrosive to metals.
Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.
May be fatal if swallowed and enters airways.

PRECAUTIONARY STATEMENTS

PREVENTION: Keep only in original container. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace.

RESPONSE: Absorb spillage to prevent material damage. **If on skin:** Wash with plenty of soap and water. Specific treatment (see supplemental first aid on the label). Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. **If in eyes:** Rinse immediately and cautiously with water for 10 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER or doctor/physician. **If swallowed:** Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

STORAGE / DISPOSAL: Store in corrosive resistant container. Store locked up. Dispose of contents/container in accordance with local regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Linear alcohol ethoxylated	066455-15-0	7 - 13
Ethylene glycol butyl ether	000111-76-2	3 - 7

D-limonene	005989-27-5	3 - 7
Sodium metasilicate	006834-98-0	1 - 5
Sodium xylene sulphonate	001300-72-7	1 - 5

SECTION 4 – FIRST AID MEASURES

- SKIN:** Remove contaminated clothing. Rinse skin with water for at least 15 minutes/shower. Consult a physician if irritation persists.
- EYES:** Rinse cautiously with water for 15-30 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- INGESTION:** Rinse mouth. Do not induce vomiting. Drink 3 to 4 glasses of water or milk. Do not give anything by mouth if victim is unconscious. Call a physician immediately.
- INHALATION:** Breathe fresh air. Give artificial respiration if necessary. Consult a physician if discomforts persist.
- TO PHYSICIAN:** Treat symptoms

SECTION 5 – FIRE-FIGHTING MEASURES

- FLAMMABLE:** The product is not flammable.
- EXTINGUISHING MEDIA:** Water spray, carbon dioxide, chemical powder, foam.
- UNSUITABLE EXTINGUISHING MEDIA:** Do not use water jet as an extinguisher, as this will spread the fire. Do not use an extinguisher containing halogenated agents.
- SPECIFIC HAZARDS:** Not flammable. Under fire conditions, toxic, corrosive fumes emitted.
- HAZARDOUS COMBUSTION PRODUCTS:** Not flammable. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
- SPECIAL FIRE FIGHTING PROCEDURES:** Wear protective clothing and self-contained breathing apparatus if necessary.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Ventilate enclosed areas. Avoid contact of the product with eyes and skin. Do not breathe fume/gas/mist/vapours/spray. Wear gloves, safety goggles and respirator if needed. Prevent discharge in sewers.
- ENVIRONMENTAL PRECAUTIONS:** Avoid the spillage or runoff entering drains, sewers or watercourses.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Wear protective clothing, gloves and safety goggles. Control spill to prevent runoff into sewers. Cover with inert absorbent material and recover in suitable containers. Sweep and rinse with water.

SECTION 7 – HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING:** Avoid contact of the product with eyes and skin. Do not breathe mist/vapours/spray. Use only with adequate ventilation. Wash thoroughly after handling.
- CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:** Keep containers closed, in fresh, dry and well ventilated area, away from incompatible materials. Ventilate enclosed areas.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROL: Good ventilation.

PERSONAL PROTECTIVE EQUIPMENT



SKIN: Protective clothing. Impermeable gloves.

EYES:	Wear face shield and safety goggles.
RESPIRATORY:	If ventilation is inadequate, suitable respiratory protection must be worn.
HYGIENE MEASURES:	Wash hands after handling.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / FORM:	Clear liquid
COLOR:	Yellow
ODOR:	Orange
ODOR THRESHOLD:	Not available
pH:	Not applicable
MELTING POINT / FREEZING POINT (°C):	< 0
BOILING POINT (°C):	> 100
FLASH POINT (°C):	Not available
EVAPORATION RATE:	Not available
EXPLOSIVE LIMITS:	Not available
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available
DENSITY (kg/L):	1.05- 1.07
WATER SOLUBILITY:	Complete
PARTITION COEFFICIENT / N-OCTANOL/WATER:	Not available
AUTOIGNITION TEMPERATURE (°C):	Not available
DECOMPOSITION TEMPERATURE (°C):	Not available

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:	No dangerous reaction known under conditions of normal use.
STABLE:	Stable at normal ambient temperatures and when used as recommended.
HAZARDOUS REACTIONS:	Hazardous polymerisation does not occur.
CONDITIONS TO AVOID:	Contact with incompatible materials.
INCOMPATIBILITY:	Acids, soft metals (Al, Zn, Sn), strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

SKIN:	Causes skin irritation. May cause an allergic skin reaction.
EYES:	Causes serious eye damage.
INHALATION:	May cause an irritation.

INGESTION: May be fatal if swallowed and enters airways.

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE ORAL TOXICITY: LD50 (oral, rat): > 2000 mg/kg

ACUTE DERMAL TOXICITY: Not available. No health effects (normal conditions of use).

ACUTE INHALATION TOXICITY: Not available. No health effects (normal conditions of use).

SKIN CORROSION / IRRITATION: Causes skin irritation.

SERIOUS EYE DAMAGE / EYE IRRITATION: Causes serious eye damage.

RESPIRATORY SENSITIZATION: Not expected to cause respiratory sensitization.

SKIN SENSITIZATION: May cause skin sensitization.

GERMINAL CELL MUTAGENICITY: No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.

CARCINOGENICITY: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.

REPRODUCTIVE TOXICITY: No potential reproductive toxicity.

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE: Not classified

SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE: Not classified

ASPIRATION HAZARD: May be fatal if swallowed and enters airways.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: Linear alcohol ethoxylated
EC50, Daphnia magna, 48 h, 10 - 100 mg/l

Ethylene glycol butyl ether
EC50, Daphnia magna, 48 h, > 1000 mg/l

PERSISTENCE AND DEGRADABILITY: Not available

BIOACCUMULATIVE POTENTIAL: Not available

MOBILITY IN SOIL: Not available

OTHER ADVERSE EFFECTS: No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain in sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDOUS WASTE CODE: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

WASTE FROM RESIDUES / UNUSED PRODUCTS: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

CONTAMINATED PACKAGING: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 – TRANSPORT INFORMATION

TDG / DOT: UN1760, CORROSIVE LIQUID N.O.S. (Sodium metasilicate), Class 8, PG II

SPECIAL PRECAUTIONS FOR USER: Read safety instructions, SDS and emergency procedures before handling.

SECTION 15 – REGULATORY INFORMATION

Ingredients included on inventory of DSL (Canada), REACH, TSCA (USA)

SECTION 16 – OTHER INFORMATION

PRODUCT NAME: ORANGE

PREPARED BY: B.O.D. CHEMICALS INC.

PHONE: (450) 443-5556

DATE: May 17th, 2018

B.O.D. CHEMICALS INC. assume no responsibility for damages or physical injuries resulting in the use of this product. The user recognizes the risk in the use of this product and must consult and respect directions and dangers of this product.