

1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Surfact-ON
Product Use: Agrochemicals
Manufacturer/Supplier: INTERPROVINCIAL COOPERATIVE LTD.
945 Marion St.
Winnipeg, Manitoba
R2J 0K7
www.ipco.ca
Effective Date: 09/04/2020

2: HAZARD IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200:

Flammable liquids Category 4
Serious eye damage/eye irritation Category 2

Pictograms:



Signal word: Warning
Hazard statements: Combustible liquid. Causes serious eye irritation.
Precautionary statement: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection.
In case of fire: Use carbon dioxide, dry chemical, water spray, or foam to extinguish.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Store in a well-ventilated place.
Dispose of container in accordance with local, regional, national and international regulations.

3: COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	% (W/W)
1-Hexanol, 2-ethyl-	104-76-7	1 - 5
Dodecylbenzenesulfonic acid, calcium salt	26264-06-2	1 - 5

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4: FIRST AID MEASURES

In case of emergency call CANUTEC at 613-996-6666
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If inhaled:	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Skin contact:	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Ingestion:	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed:	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of immediate medical attention and special treatment needed:	Treat patient symptomatically.
General information:	If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Water fog. Foam. Dry chemical powder. Carbon dioxide.
Unsuitable extinguishing media:	Not available
Specific hazards arising from the chemical:	The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures.
Special protective equipment for firefighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions:	Move containers from fire area if you can do so without risk.
Specific methods:	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards:	Combustible liquid.
Hazardous combustion products:	May include and are not limited to: Oxides of carbon.

6: ACCIDENTAL RELEASE MEASURES

Personal precautions:	Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods for containment:	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.
Environmental precautions:	Do not discharge into lakes, streams, ponds or public waters.

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7: HANDLING AND STORAGE

Handling:	Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with eyes. Wear appropriate personal protective equipment. Provide adequate ventilation. Observe good industrial hygiene practices. Wash thoroughly after handling. When handling, do not eat, drink or smoke.
Storage:	Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limits:	No exposure limits noted Occupational exposure limits for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Engineering Controls:	Ensure adequate ventilation.
Eye/face protection:	Wear safety glasses with side shields.
Skin protection:	Rubber gloves. Confirm with a reputable supplier first and as required by employer code.
Respiratory protection:	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).
Thermal hazards:	Wear appropriate thermal protective clothing, when necessary. Not applicable.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Physical state: Liquid. Color: Yellow.
Odor:	Mild
Odor threshold:	No data available
pH:	No data available
Melting point/range:	No data available
Flash point:	176.0 °F (80.0 °C)
Evaporation rate (butyl acetate = 1):	No data available
Flammability:	No data available
Flammability/Explosive limit:	No data available
Autoignition temperature:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	0.89 g/ml
Solubility in water:	No data available
Coefficient of n-Octanol/water distribution:	No data available
Thermal decomposition:	No data available
Viscosity:	No data available
Explosive properties:	Not explosive
Oxidizing properties	Not oxidizing

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10: STABILITY AND REACTIVITY

Reactivity:	May react with incompatible Reactivity materials.
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Chemical stability:	Material is stable under normal conditions.
Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not mix with other chemicals.
Incompatible Materials:	Strong oxidizing agents.
Hazardous decomposition products:	May include and are not limited to: Oxides of carbon.

11: TOXICOLOGICAL INFORMATION

Routes of exposure:	Eye, Skin contact, Inhalation, Ingestion.
Information on likely routes of exposure:	Ingestion: May cause stomach distress, nausea or vomiting. Inhalation: No adverse effects due to inhalation are expected. Skin contact: No adverse effects due to skin contact are expected. Eye contact: Causes serious eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics:	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Acute toxicity:	Not classified

Chemical Name	LD50Oral	LD50Dermal	LC50Inhalation
1-Hexanol, 2-ethyl- (CAS 104-76-7)	Rat: 3730 mg/kg, ECHA 3290 mg/kg, ECHA 2053 mg/kg, HSDB 2052 mg/kg, HSDB 2047 mg/kg, ECHA	Guinea pig: > 8300 mg/kg, HSDB Rabbit: > 2600 mg/kg, 24 Hours, ECHA 1986 mg/kg, HSDB 1985 mg/kg, HSDB 1980 mg/kg, 24 Hours, ECHA Rat: > 3000 mg/kg, 24 Hours, ECHA	Guinea pig: > 227 ppm, 6 Hours, HSDB > 227 mg/L, 6 Hours, HSDB Rat: > 227 ppm, 6 Hours, HSDB > 227 mg/L, 6 Hours, HSDB 0.9 - 5.3 mg/L, 4 Hours, ECHA 5300 mg/m ³ , 4 Hours, Cheminfo/European Commission. 2-Ethylhexan-1-ol. IUCLID Dataset. European Chemicals Bureau, Feb. 2000 5.5 mg/l/4h, Cheminfo/European Commission. 2-Ethylhexan-1-ol. IUCLID Dataset. European Chemicals Bureau, Feb. 2000
Dodecylbenzenesulfonic acid, calcium salt (CAS 26264-06-2)	Rat: 1300 mg/kg, ECHA	Rat: 2000 mg/kg, ECHA	Not available

Skin corrosion/irritation:	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	Not a respiratory sensitizer. This product is not expected to cause skin sensitization.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	Not classified.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.

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Teratogenicity:	Not available
Specific target organ toxicity - single exposure:	Not classified.
Specific target organ toxicity - repeated exposure:	Not classified.
Aspiration hazard:	Not an aspiration hazard.

12: ECOLOGICAL INFORMATION

Ecotoxicity:	<u>1-Hexanol, 2-ethyl- (CAS 104-76-7):</u> Fish: LC50: 10 - 33 mg/L, 96 hours - Bluegill (<i>Lepomis macrochirus</i>) Algae: LC50: 11.5 mg/L, 72 hours- Algae Crustacea: EC50: 39 mg/L, 48 Hours- Daphnia
Persistence and Degradability Biodegradability:	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
Mobility in general;	Not available
Other adverse effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13: DISPOSAL CONSIDERATIONS

Disposal instructions:	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:	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.

14: TRANSPORT INFORMATION

Transport of Dangerous Goods (TDG) Proof of Classification	Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.
U.S. Department of Transportation (DOT):	Not regulated as dangerous goods.
Transportation of Dangerous Goods (TDG - Canada):	Not regulated as dangerous goods.

15: REGULATORY INFORMATION

Canadian federal regulations:	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR. Export Control List (CEPA 1999, Schedule 3): Not listed. Greenhouse Gases: Not listed. Precursor Control Regulations: Not regulated. WHMIS 2015 Exemptions: Not applicable.
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US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
 TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.
 CERCLA Hazardous Substance List (40 CFR 302.4): Dodecylbenzenesulfonic acid, calcium salt (CAS 26264-06-2) listed.
 SARA 304 Emergency release notification: Not regulated.
 OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052): Not listed.

Inventory status: Canada Domestic Substances List (DSL): On inventory.
 Canada Non-Domestic Substances List (NDSL) Not on inventory.
 United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory: On inventory.

16: OTHER INFORMATION

NFPA Classification: Health: 2-moderate
 Flammability: 2-moderate
 Physical hazard: 0-minimal

HMIS Classification: Health: 2-moderate
 Flammability: 2-moderate
 Reactivity: 0-minimal
 Severe-4, Serious-3, Moderate-2, Slight-1, Minimal-0

Date: 29/04/2020 (Reason: IPCO Logo update)

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