

## Safety Data Sheet

### ALKASURF CO 710

Version 1.3

Revision Date: 05/15/2024

#### SECTION 1. IDENTIFICATION

**Product name** : ALKASURF CO 710

**Synonyms** : No data available

#### Recommended use of the chemical and restrictions on use

**Recommended use** : Surfactant

**Restricted Uses** : No data available

#### Manufacturer or supplier's details

**Company** : Univar Solutions Canada Ltd.  
**Address** : 64 Arrow Road  
 North York, ON, M9M 2L9  
 Canada

#### Emergency telephone number:

Local Emergency Contact : During Office hours Monday-Friday, 8.00 am - 4.30 pm (Pacific Standard Time) : 1-866-686-4827

**Additional Information:** : Responsible Party: Product Compliance Department  
 E-mail: SDSNA@univarsolutions.com  
 SDS Requests: 1-855-429-2661  
 Website: www.univarsolutions.com

#### SECTION 2. HAZARD IDENTIFICATION

#### Hazardous Classification of the substance or mixture

**Acute toxicity (Oral)** : Category 4

**Serious eye damage** : Category 1

#### Label elements

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : H302 Harmful if swallowed.  
 H318 Causes serious eye damage.

**Precautionary statements** : **Prevention:**  
 P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P280 Wear eye protection/ face protection.  
**Response:**  
 P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.  
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON

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CENTER/ doctor.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

#### Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

#### Hazardous components

| CAS-No.    | Chemical name                      | % by Weight | Synonyms                           |
|------------|------------------------------------|-------------|------------------------------------|
| 68412-54-4 | Nonylphenol, branched, ethoxylated | 90 - 100    | Nonylphenol, branched, ethoxylated |

The exact ranges of this mixture are being withheld due to a Trade Secret.

### SECTION 4. FIRST-AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.  
Take victim immediately to hospital.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Keep respiratory tract clear.  
Do not induce vomiting without medical advice.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide (CO2)

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|                                               |                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                               | Dry chemical<br>Foam                                                                                                                                                                                                                                                                                                                                                            |
| Unsuitable extinguishing media                | : High volume water jet                                                                                                                                                                                                                                                                                                                                                         |
| Specific hazards during fire-fighting         | : Do not allow run-off from fire fighting to enter drains or water courses.                                                                                                                                                                                                                                                                                                     |
| Hazardous combustion products                 | : No hazardous combustion products are known                                                                                                                                                                                                                                                                                                                                    |
| Further information                           | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.<br>For safety reasons in case of fire, cans should be stored separately in closed containments.<br>Use a water spray to cool fully closed containers. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary.                                                                                                                                                                                                                                                                                                        |

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

|                                                                     |                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.                                                                                                                                                                                                                                                   |
| Environmental precautions                                           | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities.                                                                                              |
| Methods and materials for containment and cleaning up               | : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).<br>Keep in suitable, closed containers for disposal. |

#### SECTION 7. HANDLING AND STORAGE

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on protection against fire and explosion | : Do not spray on a naked flame or any incandescent material.<br>Keep away from open flames, hot surfaces and sources of ignition.                                                                                                                                                                                                                                                                                                       |
| Advice on safe handling                         | : Avoid formation of aerosol.<br>Do not breathe vapours/dust.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Provide sufficient air exchange and/or exhaust in work rooms.<br>To avoid spills during handling keep bottle on a metal tray.<br>Dispose of rinse water in accordance with local and national regulations. |

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|                                 |                                                                                                                                                                                                                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conditions for safe storage     | : No smoking.<br>Keep in a well-ventilated place.<br>Containers which are opened must be carefully resealed and kept upright to prevent leakage.<br>Observe label precautions.<br>Electrical installations / working materials must comply with the technological safety standards. |
| Recommended storage temperature | : 15 - 49 °C                                                                                                                                                                                                                                                                        |

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### Personal protective equipment

|                          |                                                                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory protection   | : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. |
| Filter type              | : Organic vapour type                                                                                                                                                             |
| Hand protection          |                                                                                                                                                                                   |
| Remarks                  | : The suitability for a specific workplace should be discussed with the producers of the protective gloves.                                                                       |
| Eye protection           | : Eye wash bottle with pure water<br>Tightly fitting safety goggles<br>Wear face-shield and protective suit for abnormal processing problems.                                     |
| Skin and body protection | : Impervious clothing<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place.                                           |
| Hygiene measures         | : When using do not eat or drink.<br>When using do not smoke.<br>Wash hands before breaks and at the end of workday.                                                              |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                             |                                                                  |
|---------------------------------------------|------------------------------------------------------------------|
| Appearance                                  | : viscous                                                        |
| Colour                                      | : colourless, light yellow                                       |
| Odour                                       | : aromatic                                                       |
| Odour Threshold                             | : No data available                                              |
| pH                                          | : 5.5 - 8.0 @ 10 % @ 20 - 25 °C (68 - 77 °F)<br>Aqueous solution |
| Freezing Point (Melting point/range)        | : > 15 °C (> 59 °F)                                              |
| Boiling Point (Boiling point/boiling range) | : > 200 °C (> 392 °F)                                            |
| Flash point                                 | : > 93 °C (> 199 °F)<br>Method: closed cup                       |
| Evaporation rate                            | : No data available                                              |
| Flammability (solid, gas)                   | : No data available                                              |
| Upper explosion limit                       | : No data available                                              |

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|                                        |                                              |
|----------------------------------------|----------------------------------------------|
| Lower explosion limit                  | : No data available                          |
| Vapour pressure                        | : No data available                          |
| Relative vapour density                | : No data available                          |
| Relative density                       | : No data available                          |
| Density                                | : ca. 1.06 g/cm <sup>3</sup> @ 20 °C (68 °F) |
| Solubility(ies)                        |                                              |
| Water solubility                       | : soluble                                    |
| Solubility in other solvents           | : soluble<br>Solvent: Organic polar solvents |
| Partition coefficient: n-octanol/water | : No data available                          |
| Auto-ignition temperature              | : No data available                          |
| Thermal decomposition                  | : No data available                          |

**SECTION 10. STABILITY AND REACTIVITY**

|                                    |                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------|
| Reactivity                         | : No dangerous reaction known under conditions of normal use.                       |
| Chemical stability                 | : Stable under normal conditions.                                                   |
| Possibility of hazardous reactions | : Vapours may form explosive mixture with air.                                      |
| Conditions to avoid                | : Keep away from heat, flame, sparks and other ignition sources.                    |
| Incompatible materials             | : Strong acids<br>Strong bases<br>Strong oxidizing agents<br>strong reducing agents |
| Hazardous decomposition products   | : Carbon monoxide<br>Carbon dioxide (CO <sub>2</sub> )                              |

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

**Skin corrosion/irritation****Product:**

Remarks: Extremely corrosive and destructive to tissue.

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**Serious eye damage/eye irritation****Product:**

Result: Risk of serious damage to eyes.

Remarks: May cause irreversible eye damage.

**Germ cell mutagenicity****Components:****68412-54-4:**

Genotoxicity in vitro

: Test Type: Chromosome aberration test in vitro  
Species: Human lymphocytes  
Metabolic activation: with and without metabolic activation  
Result: negative

: Test Type: Mammalian cell gene mutation assay  
Species: Mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Result: negative

**Further information****Product:**

Remarks: No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

Acute aquatic toxicity- Assessment : Harmful to aquatic life.

Chronic aquatic toxicity- Assessment : Harmful to aquatic life with long lasting effects.

**Components:****68412-54-4:**

Toxicity to fish

: LC50 (Pimephales promelas (fathead minnow)): 0.323 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 0.148 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): > 3 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test

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- M-Factor (Acute aquatic toxicity) : 1
- Toxicity to fish (Chronic toxicity) : NOEC: 0.006 mg/l  
Exposure time: 91 d  
Remarks: Information given is based on data obtained from similar substances.
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.1 mg/l  
Exposure time: 21 d
- M-Factor (Chronic aquatic toxicity) : 1
- Acute aquatic toxicity- Assessment : Very toxic to aquatic life.
- Chronic aquatic toxicity- Assessment : Very toxic to aquatic life with long lasting effects.

#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

##### Product:

- Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life with long lasting effects.

## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

- Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.  
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922
- Contaminated packaging : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.  
Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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**SECTION 14. TRANSPORT INFORMATION****TDG (Transportation of Dangerous Goods):** Not regulated as a dangerous good**IATA (International Air Transport Association):** Not regulated as a dangerous good**IMDG-Code:** Not regulated as a dangerous good

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**SECTION 15. REGULATORY INFORMATION**

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all of the information required by the HPR.

**NPRI Components** : 68412-54-4  
123-91-1  
75-07-0  
75-21-8

**The components of this product are reported in the following inventories:**

|       |                                                          |
|-------|----------------------------------------------------------|
| TSCA  | : On TSCA Inventory                                      |
| DSL   | : All components of this product are on the Canadian DSL |
| AICS  | : On the inventory, or in compliance with the inventory  |
| NZIoC | : not determined                                         |
| ENCS  | : On the inventory, or in compliance with the inventory  |
| KECI  | : On the inventory, or in compliance with the inventory  |
| PICCS | : not determined                                         |
| IECSC | : On the inventory, or in compliance with the inventory  |

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**SECTION 16. OTHER INFORMATION**

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions EHS Product Compliance Department (1-855-429-2661) [SDSNA@univarsolutions.com](mailto:SDSNA@univarsolutions.com).

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Material number:  
20669,

| Key or legend to abbreviations and acronyms used in the safety data sheet |                                                          |       |                                                                                      |
|---------------------------------------------------------------------------|----------------------------------------------------------|-------|--------------------------------------------------------------------------------------|
| ACGIH                                                                     | American Conference of Government Industrial Hygienists  | LD50  | Lethal Dose 50%                                                                      |
| AICS                                                                      | Australia, Inventory of Chemical Substances              | LOAEL | Lowest Observed Adverse Effect Level                                                 |
| DSL                                                                       | Canada, Domestic Substances List                         | NFPA  | National Fire Protection Agency                                                      |
| NDSL                                                                      | Canada, Non-Domestic Substances List                     | NIOSH | National Institute for Occupational Safety & Health                                  |
| CNS                                                                       | Central Nervous System                                   | NTP   | National Toxicology Program                                                          |
| CAS                                                                       | Chemical Abstract Service                                | NZIoC | New Zealand Inventory of Chemicals                                                   |
| EC50                                                                      | Effective Concentration                                  | NOAEL | No Observable Adverse Effect Level                                                   |
| EC50                                                                      | Effective Concentration 50%                              | NOEC  | No Observed Effect Concentration                                                     |
| EGEST                                                                     | EOSCA Generic Exposure Scenario Tool                     | OSHA  | Occupational Safety & Health Administration                                          |
| EOSCA                                                                     | European Oilfield Specialty Chemicals Association        | PEL   | Permissible Exposure Limit                                                           |
| EINECS                                                                    | European Inventory of Existing Chemical Substances       | PICCS | Philippines Inventory of Commercial Chemical Substances                              |
| MAK                                                                       | Germany Maximum Concentration Values                     | PRNT  | Presumed Not Toxic                                                                   |
| GHS                                                                       | Globally Harmonized System                               | RCRA  | Resource Conservation Recovery Act                                                   |
| >=                                                                        | Greater Than or Equal To                                 | STEL  | Short-term Exposure Limit                                                            |
| IC50                                                                      | Inhibition Concentration 50%                             | SARA  | Superfund Amendments and Reauthorization Act.                                        |
| IARC                                                                      | International Agency for Research on Cancer              | TLV   | Threshold Limit Value                                                                |
| IECSC                                                                     | Inventory of Existing Chemical Substances in China       | TWA   | Time Weighted Average                                                                |
| ENCS                                                                      | Japan, Inventory of Existing and New Chemical Substances | TSCA  | Toxic Substance Control Act                                                          |
| KECI                                                                      | Korea, Existing Chemical Inventory                       | UVCB  | Unknown or Variable Composition, Complex Reaction Products, and Biological Materials |
| <=                                                                        | Less Than or Equal To                                    | WHMIS | Workplace Hazardous Materials Information System                                     |
| LC50                                                                      | Lethal Concentration 50%                                 |       |                                                                                      |