

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Alkasurf CO 730

Recommended use of the chemical and restrictions on use

Recommended use : Emulsifier

Manufacturer or supplier's details

Company : Nexeo Solutions, LLC.
Address : 3 Waterway Square Place Suite 1000
 The Woodlands, TX. 77380
 United States of America

Emergency telephone number:

Health North America: 1-855-NEXEO4U (1-855-639-3648)

Health International: 1-855-NEXEO4U (1-855-639-3648)

Transport North America: CHEMTREC 800.424.9300

Additional Information:

: Responsible Party: Product Safety Group
 E-Mail: msds@nexeosolutions.com
 SDS Requests: 1-855-429-2661
 SDS Requests Fax: 1-281-500-2370
 Website: www.nexeosolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Potential Health Effects

Carcinogenicity:

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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

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

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

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

Emergency Overview

Physical state	liquid
Colour	Clear, Colorless
Odour	aromatic
Hazard Summary	No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Pure substance

Hazardous components

CAS-No.	Chemical Name	Concentration (%)
68412-54-4	Nonylphenol, branched, ethoxylated	99 - 100

SECTION 4. FIRST AID MEASURES

- General advice : 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 : Wash off immediately with plenty of water for at least 15 minutes.
Remove contaminated clothing and shoes.
Wash contaminated clothing before re-use.
If symptoms persist, call a physician.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Dry chemical Carbon dioxide (CO2) Foam
Unsuitable extinguishing media	: High volume water jet
Specific hazards during firefighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: No hazardous combustion products are known
Specific extinguishing methods	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for fire-fighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	: For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	: Keep container tightly closed in a dry and well-

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

age ventilated place.
Containers which are opened must be carefully re-sealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

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
Tightly fitting safety goggles

Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : Clear, Colorless

Odour : aromatic

Odour Threshold : No data available

pH : 5 - 7.7 @ 5 %

Freezing Point (Melting point/freezing point) : 21 °C (70 °F)

Boiling Point (Boiling : > 200 °C (> 392 °F)

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

point/boiling range)

Flash point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Burning rate : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : Calculated 1.05 g/cm³ @ 50 °C (122 °F)

Bulk density : No data available

Solubility(ies)

Water solubility : soluble

Solubility in other sol-
vents : No data available

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 : No hazards to be specially mentioned.

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials	: Strong acids Strong bases Strong oxidizing agents Strong reducing agents

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	: LD50 (Rat): > 2,500 mg/kg
Acute dermal toxicity	: Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method

Components:

68412-54-4:

Acute oral toxicity	: LD50 (Rat): 2,000 mg/kg Method: OECD Test Guideline 401 Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	: Remarks: No data available
Acute dermal toxicity	: LD50 (Rabbit): > 3,000 mg/kg Remarks: Information given is based on data obtained from similar substances.

Skin corrosion/irritation

Product:

Species: Rabbit
Result: No skin irritation

Components:

68412-54-4:

Species: Rabbit
Exposure time: 24 h
Result: No skin irritation

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

Serious eye damage/eye irritation

Product:

Species: Rabbit

Result: No eye irritation

Components:

68412-54-4:

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Components:

68412-54-4:

Test Type: Maximisation Test (GPMT)

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Components:

68412-54-4:

- | | |
|-----------------------|---|
| Genotoxicity in vitro | : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes |
| | : Test Type: Chromosome aberration test in vitro
Test species: Human lymphocytes
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
GLP: yes |
| | : Test Type: Mammalian cell gene mutation assay
Test species: Mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes |

Germ cell mutagenicity- : Tests on bacterial or mammalian cell cultures did not

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

Assessment show mutagenic effects.

Carcinogenicity

Components:

68412-54-4:

Remarks: This information is not available.

Carcinogenicity - Assessment : Carcinogenicity classification not possible from current data.

Reproductive toxicity

Components:

68412-54-4:

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

Reproductive toxicity - Assessment : Fertility classification not possible from current data.
Embryotoxicity classification not possible from current data.

STOT - single exposure

Product:No data available

Components:

68412-54-4:No data available

STOT - repeated exposure

Product:No data available

Components:

68412-54-4:No data available

Repeated dose toxicity

Components:

68412-54-4:

Species: Rat, male and female

NOAEL: 40 mg/kg

Application Route: Oral

Exposure time: 90

Number of exposures: daily

Dose: 0, 40, 200, 1000 mg/kg bw/d

Symptoms: Liver effects

Remarks: Information given is based on data obtained from similar substances.

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

Repeated dose toxicity - Assessment : Causes skin irritation., Causes serious eye irritation.

Aspiration toxicity

Components:

68412-54-4:

No aspiration toxicity classification

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : Harmful to aquatic life.

Chronic aquatic toxicity : 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

Toxicity to daphnia and other aquatic invertebrates : LC50 (Ceriodaphnia dubia): 0.716 mg/l
Exposure time: 48 h
Test Type: semi-static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): > 3 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 1

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Persistence and degradability

Components:

68412-54-4:

Biodegradability : Result: Not readily biodegradable.

Bioaccumulative potential

Components:

68412-54-4:

Partition coefficient: n-octanol/water : log Pow: 5.39

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful 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 NEXEO's Environmental Services Group at 800-637-7922.

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

IATA (International Air Transport Association): Not regulated as a dangerous good

IMDG-Code: Not regulated as a dangerous good

DOT (Department of Transportation): Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

WHMIS Classification : : Not Rated

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Ethylene oxide	75-21-8	10	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
 This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
 This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

75-07-0	Acetaldehyde	0.0999 %
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The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

75-07-0	Acetaldehyde	0.0999 %
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This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

123-91-1	1,4-Dioxane	0 - 0.1 %
75-07-0	Acetaldehyde	0 - 0.1 %
75-21-8	Ethylene oxide	0 - 0.1 %

Pennsylvania Right To Know

68412-54-4	Nonylphenol, branched, ethoxylated	99 - 100 %
123-91-1	1,4-Dioxane	0 - 0.1 %
75-07-0	Acetaldehyde	0 - 0.1 %
75-21-8	Ethylene oxide	0 - 0.1 %

New Jersey Right To Know

68412-54-4	Nonylphenol, branched, ethoxylated	99 - 100 %
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California Prop 65

	WARNING! This product contains a chemical known to the State of California to cause cancer.
123-91-1	1,4-Dioxane
75-07-0	Acetaldehyde
75-21-8	Ethylene oxide
	WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
75-21-8	Ethylene oxide

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

United States TSCA Inventory	:	y (positive listing) (On TSCA Inventory)
Canadian Domestic Substances List (DSL)	:	y (positive listing) (All components of)

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

		this product are on the Canadian DSL.)
Australia Inventory of Chemical Substances (AICS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
New Zealand. Inventory of Chemical Substances	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Japan. ENCS - Existing and New Chemical Substances Inventory	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Korea. Korean Existing Chemicals Inventory (KECI)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
China. Inventory of Existing Chemical Substances in China (IECSC)	:	y (positive listing) (On the inventory, or in compliance with the inventory)

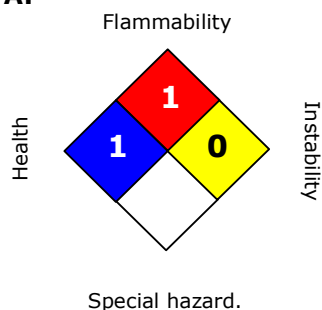
Safety Data Sheet Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

SECTION 16. OTHER INFORMATION **Further information**

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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 MSDS has been prepared by NEXEO™ Solutions EHS Product Safety Department (1-855-429-2661) MSDS@nexeosolutions.com.

Legacy SDS: R0318959

Material number:
21304,

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

Safety Data Sheet

Alkasurf CO 730

Version 1.0

Revision Date: 10/15/2015

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%		