

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : CLEAN 101 RTU
Product group : Trade product

1.2. Recommended use and restrictions on use

Recommended use : Washing and cleaning products (including solvent based products)

1.3. Supplier

Manufacturer

AxSys Direct Manufacturing
4523 97 Street
T6E 5Y8 Edmonton, AB - Canada
T 780-436-2606 - F 780-434-5904

1.4. Emergency telephone number

Emergency number : FOR EMERGENCIES INVOLVING DANGEROUS GOODS CALL CANUTEC'S 24HR NUMBER
613-996-6666

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flammable liquids Category 4	H227	Combustible liquid
Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2	H319	Causes serious eye irritation
Full text of H statements : see section 16		

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS-CA) :



Signal word (GHS CA) : Warning

Hazard statements (GHS-CA) : H227 - Combustible liquid
H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary statements (GHS-CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see supplemental first aid instruction on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention.

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403 - Store in a well-ventilated place.
P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

3.2. Mixtures

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
------	-----------------------------	--------------------	---	-------------------------

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

butyl glycoether	butyl glycoether 2-BE / 2-butoxy-1-ethanol / 2-butoxyethanol / 2-n-butoxyethanol / 2-normal-butoxyethanol / 3-oxa-1-heptanol / A13-0993 / beta-butoxyethanol / BGE / breaxit 8002 / BUCS / butoxyethanol / butoxyethanol, normal- / butyl cellosolve / butylcellu-sol / butylescosolve / butylethyleneglycol, ortho- / butylglycol ether / butylglycol-cellosolve / butyljaysolve / butylmonoetherglycol / butyloxitol (=2-butoxyethanol) / Caswell No. 121 / CHIMEC NR / COREXIT 7610 / DOWANOL EB / EGBE / EKTASOLVE EB / ethanol, 2-butoxy- / ethylene glycol monobutyl ether / ethylene glycol n-butyl ether / ethylene glycol normal-butyl ether / ethyleneglycol n-butyl ether / ethyleneglycolmonobutyl ether / ethyleneglycolmononormal-butyl ether / ethyleneglycol-normal-butyl ether / GAFCOL EB / glycol ether EB / glycol ether EB acetate / glycolbutyl ether / glycolmonobutyl ether / jeffersol	CAS-No.: 111-76-2	5 – 25	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
------------------	--	-------------------	--------	--

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
	EB / minex BDH / monobutyl ether of ethyleneglycol / monobutylglycol ether / monoethyleneglycolmonobutyl ether / n-butoxyethanol / normal-butoxyethanol / O-butylethyleneglycol / ortho-butylethyleneglycol / POLY-SOLV EB / Substances with a flash-point above 60 °C and not more than 100 °C / Substances with a flash-point above 60 °C and not more than 100 °C, which do not belong to another class			

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

trisodium orthophosphate	TSP ANTISAL 4 / DRI- TRI / E339(III) / emulsiphos 440/660 / fosfato de sosa neutro / fosfato di sodio / fosfato sódico tribásico / monophosphate trisodique / Na9148 / natriumfosfaat / natriumfosfat / Natriumorthophos phat / Natriumphosphat / nutritos STP / oakite / orthophosphate de sodium / orthophosphate trisodique / ortofosfato trisódico / ortofosfato trisodio / phosphate de sodium tribasique / phosphate de soude neutre / phosphate trisodique / phosphoric acid, trisodium salt / sodium orthophosphate / sodium phosphate / tert sodium phosphate / tertiär- Natriumphosphat / tertiary sodium phosphate / tertiary-sodium orthophosphate / tert-natriumfosfaat / tert- Natriumphosphat / tert-sodium orthophosphate / tribasic sodium orthophosphate / tribasic sodium phosphate / trinatriumfosfaat /	CAS-No.: 7601-54-9	1 – 10	Skin Corr. 1A, H314 Eye Dam. 1, H318
--------------------------	--	--------------------	--------	---

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
	trinatriummonofosfaat / Trinatriummonophosphat / Trinatriumphosphat / trisodiosfosfato / trisodium orthophosphate / trisodium phosphate / tromete / TSP			

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

disodium metasilicate	disodium metasilicate ácido silfícico, sal disódica / anhydrous sodium metasilicate / Dinatriumtrioxosilikat / disodio metasilicato / disodium metasilicate / disodium monosilicate / Kieselsäure, Na-Salz (=Dinatriummetasilikat) / métasilicate de soude / metasilicato de sodio / metasilicato di sodio / metasilicato sódico / natriummetasilicat / Natriummetasilicat / Natriummetasilicat, wasserfrei / Natriummetasilikat / natriumsilicaat (=dinatriummetasilicaat) / Natriumsilicat (=Dinatriummetasilikat) / natriumsilikat (=dinatriummetasilikat) / Natronwasserglas, Pulver / silicate de sodium (=métasilicate de disodium) / silicate de soude, atomisé / silicate de soude, vitreux / silicic acid (H ₂ SiO ₃), disodium salt / silicic acid, disodium salt / sodio silicato (=metasilicato de	CAS-No.: 6834-92-0	1 – 10	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335
-----------------------	--	--------------------	--------	---

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
	disodio) / sodiometasilicato / sodium metasilicate (Na ₂ SiO ₃) / sodium metasilicate, anhydrous / sodium silicate (=disodium metasilicate) / sodium silicate, powder (=disodium metasilicate)			

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.
First-aid measures general	: Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Irritation to eyes.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: Treat symptomatically.
-----------------------------------	--------------------------

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
------------------------------	--

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Fire hazard	: Combustible liquid.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Color	: Blue.
Odor	: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Odourless Irritating/pungent odour Mild odour Pleasant odour Sweet odour Aromatic odour
Odor threshold	: No data available
pH	: 11
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: 0 °C
Boiling point	: 100 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: No additional information available

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

trisodium orthophosphate (7601-54-9)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Read-across)
LC50 inhalation rat (mg/l)	> 0.83 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Read-across)

disodium metasilicate (6834-92-0)	
LD50 oral	770 – 820 mg/kg body weight (OECD 401: Acute Oral Toxicity, Mouse, Male/female, Experimental value)
LD50 dermal rat	> 5000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Read-across)
LC50 inhalation rat (mg/l)	> 2.06 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Read-across)
ATE CA (oral)	770 mg/kg body weight

butyl glycoether (111-76-2)	
LD50 dermal rat	> 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
LD50 dermal rabbit	435 mg/kg body weight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity; 435 mg/kg bodyweight; Rabbit; Weight of evidence; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	2.17 mg/l/4h (Rat; Experimental value; 2.35 mg/l/4h; Rat; Experimental value)
LC50 inhalation rat (ppm)	450-486,Rat; Weight of evidence
ATE CA (oral)	500 mg/kg body weight
ATE CA (dermal)	435 mg/kg body weight
ATE CA (gases)	4500 ppmV/4h
ATE CA (vapours)	2.17 mg/l/4h
ATE CA (dust,mist)	2.17 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation. pH: 11
Serious eye damage/irritation	: Causes serious eye irritation. pH: 11
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

disodium metasilicate (6834-92-0)	
Specific target organ toxicity – single exposure	May cause respiratory irritation.
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Irritation to eyes.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Aquatic acute	: Not classified
Aquatic chronic	: Not classified

trisodium orthophosphate (7601-54-9)	
LC50 - Fish [1]	220 mg/l (96 h, <i>Lepomis macrochirus</i> , Experimental value)
disodium metasilicate (6834-92-0)	
LC50 - Fish [1]	210 mg/l (Equivalent or similar to OECD 203, 96 h, <i>Brachydanio rerio</i> , Semi-static system, Fresh water, Experimental value)
EC50 - Daphnia [1]	1700 mg/l (EU Method C.2, 48 h, <i>Daphnia magna</i> , Static system, Fresh water, Read-across)
EC50 72h - Algae [1]	207 mg/l (DIN 38412-9, <i>Scenedesmus subspicatus</i> , Fresh water, Read-across)
butyl glycoether (111-76-2)	
Partition coefficient n-octanol/water (Log Pow)	0.81 (Experimental value; BASF test; 25 °C)

12.2. Persistence and degradability

trisodium orthophosphate (7601-54-9)	
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
disodium metasilicate (6834-92-0)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
butyl glycoether (111-76-2)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air.
Biochemical oxygen demand (BOD)	0.71 g O ₂ /g substance

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

butyl glycolether (111-76-2)	
Chemical oxygen demand (COD)	2.2 g O ₂ /g substance
ThOD	2.305 g O ₂ /g substance
BOD (% of ThOD)	0.31

12.3. Bioaccumulative potential

trisodium orthophosphate (7601-54-9)	
Bioaccumulative potential	No bioaccumulation data available.

disodium metasilicate (6834-92-0)	
Bioaccumulative potential	Bioaccumulation: not applicable.

butyl glycolether (111-76-2)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	0.81 (Experimental value; BASF test; 25 °C)

12.4. Mobility in soil

trisodium orthophosphate (7601-54-9)	
Ecology - soil	No (test)data on mobility of the substance available.

disodium metasilicate (6834-92-0)	
Ecology - soil	No (test)data on mobility of the substance available.

butyl glycolether (111-76-2)	
Surface tension	0.027 N/m (25 °C)
Partition coefficient n-octanol/water (Log Pow)	0.81 (Experimental value; BASF test; 25 °C)

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (DOT) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : Not applicable

DOT

Transport hazard class(es) (DOT) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (TDG) : Not applicable

Packing group (DOT) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG

No data available

DOT

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

No additional information available

15.2. International regulations

trisodium orthophosphate (7601-54-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

disodium metasilicate (6834-92-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

CLEAN 101 RTU

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

butyl glycoether (111-76-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

SDS Major/Minor : None

Full text of H-phrases:

H227	Combustible liquid
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation

Safety Data Sheet (SDS), Canada

While the descriptions, data and information contained herein are presented in good faith and believed to be current, it is provided for guidance only. Because there are so many factors that may affect processing, application or other use, we recommended that you perform an assessment to determine the suitability of the product for your particular purpose prior to use. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding the product described. We assume NO responsibility for any injuries sustained from misuse or misapplication of this product or that might be experienced due to inhalation, ingestion, absorption or other contact with this product. In no case shall the descriptions, information or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such, it has been given and accepted at your risk.