

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Trade name : BIG RED WIPES  
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)

Serious eye damage/eye irritation, Category 1 H318 Causes serious eye damage.  
Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-CA labelling

Hazard pictograms (GHS-CA) :



Signal word (GHS-CA) : Danger

Hazard statements (GHS-CA) : H318 - Causes serious eye damage.

Precautionary statements (GHS-CA) : P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-CA)

No data available

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## Safety Data Sheet

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

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

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

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
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## Safety Data Sheet

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

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
butyl glycoether	butyl glycoether	CAS-No.: 111-76-2	1 – 30	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
	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 / ethyleneglycolnormal-butyl ether / GAFCOL EB / glycol ether EB / glycol ether EB acetate / glycolbutyl ether /			

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

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
disodium metasilicate	disodium metasilicate	CAS-No.: 6834-92-0	0.5 – 20	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335



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

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
	<p>ácido silícico, 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<sub>2</sub>SiO<sub>3</sub>), disodium salt / silicic acid, disodium salt / sodio silicato</p>			

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

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
trisodium orthophosphate	TSP	CAS-No.: 7601-54-9	0.5 – 10	Skin Corr. 1A, H314 Eye Dam. 1, H318

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## Safety Data Sheet

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

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
	ANTISAL 4 / DRI-TRI / E339(III) / emulsiphos 440/660 / fosfato de sosa neutro / fosfato di sodio / fosfato sódico tribásico / monophosphate trisodique / Na9148 / natriumfosfaat / natriumfosfat / Natriumorthophosphat / 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 / tertiar-Natriumphosphat / tertiary sodium phosphate / tertiary-sodium orthophosphate / tert-natriumfosfaat / tert-Natriumphosphat / tert-sodium orthophosphate / tribasic sodium orthophosphate / tribasic sodium			

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

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.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after eye contact	: Serious damage to eyes.
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#### 4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: Treat symptomatically.
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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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#### 5.2. Unsuitable extinguishing media

No additional information available

#### 5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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#### 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.
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### 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.  
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 : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 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

##### butyl glycoether (111-76-2)

##### USA - ACGIH - Occupational Exposure Limits

Local name	2-Butoxyethanol (EGBE)
ACGIH OEL TWA [ppm]	20 ppm (2-Butoxyethanol (EGBE); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
Remark (ACGIH)	Eye & URT irr

##### USA - OSHA - Occupational Exposure Limits

Local name	2-Butoxyethanol
OSHA PEL (TWA) [1]	240 mg/m <sup>3</sup>
OSHA PEL (TWA) [2]	50 ppm

#### 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

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### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 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
Colour	: red
Odour	: 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
Odour threshold	: No data available
pH	: 14
Relative evaporation rate (butylacetate=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
Vapour pressure	: No data available
Relative vapour 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
Explosive 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.

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

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
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

<b>trisodium orthophosphate (7601-54-9)</b>	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value)
LD50 dermal rat	> 2000 mg/kg bodyweight (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)

<b>disodium metasilicate (6834-92-0)</b>	
LD50 oral	770 – 820 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Mouse, Male/female, Experimental value)
LD50 dermal rat	> 5000 mg/kg bodyweight (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 bodyweight

<b>butyl glycoether (111-76-2)</b>	
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
LD50 dermal rabbit	435 mg/kg bodyweight (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 bodyweight
ATE CA (dermal)	435 mg/kg bodyweight
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	: Not classified pH: 14
Serious eye damage/irritation	: Causes serious eye damage. pH: 14
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified



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Reproductive toxicity : Not classified  
STOT-single exposure : Not classified

<b>disodium metasilicate (6834-92-0)</b>	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after eye contact	: Serious damage 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.  
Acute aquatic toxicity : Not classified  
Chronic aquatic toxicity : Not classified

<b>trisodium orthophosphate (7601-54-9)</b>	
LC50 - Fish [1]	220 mg/l (96 h, <i>Lepomis macrochirus</i> , Experimental value)
<b>disodium metasilicate (6834-92-0)</b>	
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)
<b>butyl glycoether (111-76-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	0.81 (Experimental value; BASF test; 25 °C)

### 12.2. Persistence and degradability

<b>trisodium orthophosphate (7601-54-9)</b>	
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
<b>disodium metasilicate (6834-92-0)</b>	
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
<b>butyl glycoether (111-76-2)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air.
Biochemical oxygen demand (BOD)	0.71 g O <sub>2</sub> /g substance

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butyl glycolether (111-76-2)	
Chemical oxygen demand (COD)	2.2 g O <sub>2</sub> /g substance
ThOD	2.305 g O <sub>2</sub> /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

UN-No. (TDG) : Not applicable  
DOT NA no. : Not applicable  
UN-No. (IMDG) : Not applicable  
UN-No. (IATA) : Not applicable

### 14.2. UN proper shipping name

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

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Proper Shipping Name (IATA) : Not applicable

### 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

Excepted quantities (TDG) : E1

Passenger Carrying Road Vehicle or Passenger : 25 kg

Carrying Railway Vehicle Index

#### 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

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## Safety Data Sheet

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

### disodium metasilicate (6834-92-0)

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

### 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-statements:

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.
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.