

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : BIG RED
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
Skin corrosion/irritation Category 1A H314
Serious eye damage/eye irritation Category 1 H318
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) : Danger

Hazard statements (GHS-CA) : H227 - Combustible liquid
H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS-CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor.
P321 - Specific treatment (see supplemental first aid instruction on this label)
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403 - Store in a well-ventilated place.
P405 - Store locked up.
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

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % | Classification (GHS-CA) |
|-----------------------|--|---------------------|----------|--|
| 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 / ethyleneglycolmono-normal-butyl ether / ethyleneglycol-normal-butyl ether / GAFCOL EB / glycol ether EB / glycol ether EB acetate / glycolbutyl ether / 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 | (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 |
| disodium metasilicate | disodium metasilicate 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 / natriummetasilicaat / 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 disodio) / sodiometasilicato / sodium metasilicate (Na ₂ SiO ₃) / sodium metasilicate, anhydrous / sodium silicate (=disodium metasilicate) / sodium silicate, powder (=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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| Name | Chemical name / Synonyms | Product identifier | % | Classification (GHS-CA) |
|--------------------------|---|---------------------|----------|---|
| 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 / 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 / tertiär-Natriumphosphat / tertiary sodium phosphate / tertiary-sodium orthophosphate / tert-natriumfosfaat / tert-Natriumphosphat / tert-sodium orthophosphate / tribasic sodium orthophosphate / tribasic sodium phosphate / trinatriumfosfaat / trinatriummonofosfaat / Trinatriummonophosphat / Trinatriumphosphat / trisodio fosfato / trisodium orthophosphate / trisodium phosphate / tromete / TSP | (CAS-No.) 7601-54-9 | 0.5 - 10 | Skin Corr. 1A, H314 Eye Dam. 1, H318 |

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 | : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately. |
| 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 | : Rinse mouth. Do NOT induce vomiting. Call a physician immediately. |
| First-aid measures general | : Call a physician immediately. |

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

| | |
|-------------------------------------|---------------------------|
| Symptoms/effects after skin contact | : Burns. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Symptoms/effects after ingestion | : Burns. |

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. |
|-------------|-----------------------|

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. |
|-------------------------|---|

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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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.

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. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| butyl glycolether (111-76-2) | | |
|------------------------------|-------------------------------------|---|
| USA - ACGIH | ACGIH TWA (ppm) | 20 ppm (2-Butoxyethanol (EGBE); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |
| USA - ACGIH | Remark (ACGIH) | Eye & URT irr |
| USA - OSHA | OSHA PEL (TWA) (mg/m ³) | 240 mg/m ³ |
| USA - OSHA | OSHA PEL (TWA) (ppm) | 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

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : No data available

Color : red

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(s):
Odourless Irritating/pungent odour Mild odour Pleasant odour Sweet odour Aromatic odour

Odor threshold : No data available

pH : 14

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

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| | |
|---------------------------|---------------------|
| Flammability (solid, gas) | : Not applicable |
| Vapor pressure | : No data available |
| Vapor pressure at 50 °C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| 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

10.1. 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. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

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) |
| 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 |

| | |
|--|--|
| Skin corrosion/irritation | : Causes severe skin burns and eye damage. 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 |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity – single exposure | : Not classified |
| Specific target organ toxicity – repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

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| | |
|-------------------------------------|---------------------------|
| Symptoms/effects after skin contact | : Burns. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Symptoms/effects after ingestion | : Burns. |

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. Before neutralisation, the product may represent a danger to aquatic organisms.

| trisodium orthophosphate (7601-54-9) | |
|---|--|
| LC50 fish 1 | 220 mg/l (96 h, Lepomis macrochirus, Experimental value) |
| disodium metasilicate (6834-92-0) | |
| LC50 fish 1 | 210 mg/l (Equivalent or similar to OECD 203, 96 h, Brachydanio rerio, Semi-static system, Fresh water, Experimental value) |
| EC50 Daphnia 1 | 1700 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Read-across) |

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 glycolether (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 |
| 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) | |
| Log Pow | 0.81 (Experimental value; BASF test; 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

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) |
| Log Pow | 0.81 (Experimental value; BASF test; 25 °C) |

12.5. Other adverse effects

GWPmix comment : No known effects from this product.

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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. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

UN-No. (TDG) : UN3253
Packing group : III - Minor Danger
TDG Primary Hazard Classes : 8 - Class 8 - Corrosives
Transport document description : UN3253 DISODIUM TRIOXOSILICATE, 8, III
Proper Shipping Name (Transportation of Dangerous Goods) : DISODIUM TRIOXOSILICATE

Hazard labels (TDG) : 8 - Corrosive substances



Explosive Limit and Limited Quantity Index : 5 kg
Excepted quantities (TDG) : E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 25 kg

14.2. Transport information/DOT

Department of Transport

Not regulated for transport

14.3. Air and sea transport

IMDG

Not regulated for transport

IATA

Not regulated for transport

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

butyl glycolether (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 |

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| | |
|------|----------------------------------|
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |

SDS Canada (GHS)

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.