

Safety Data Sheet

Revision: 05/08/2015
 Printing date: 06/07/2017
 Revision: 5.0.1 (5.0.0)

STAINEX-CLEAN PLUS

Supplier: Drizign Pty Ltd
 ABN 66 085 088 580
 43 Henderson Rd
 Clayton North Vic 3168
 Ph.: 61 3 9562 5244 Fax: 61 3 95625277
 Email: contactus@drizign.com

Emergency 24 Hour Telephone:

Poison Information Service:	13 11 26
Fire Brigade:	000
Police:	000

1. **Identification:**
 Product Name: **STAINEX-CLEAN PLUS**
 Recommended Use: Washing and cleaning products

2. Hazard Identification:

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Dam. 1 ; H319 - Serious eye damage/eye irritation : Category 2A ; Causes serious eye irritation.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Met. Corr. 1 ; H290 - Corrosive to metals : Category 1 ; May be corrosive to metals.

2.2 Label elements

Labelling (according to Regulation (EC) No. 1272/2008 [CLP]

Hazard symbols and hazard statements of dangerous substances and preparations



Exclamation Mark (GHS07)

Signal word

Warning

Hazard statements

H290	May be corrosive to metals.
H319	Causes serious eye damage.
H315	Causes skin irritation.

Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352	IF ON SKIN: Wash with plenty of water/....
P362+P364	Take off contaminated clothing and wash it before reuse.
P390	Absorb spillage to prevent material damage

2.3 **Other hazards**
None

3. **Composition/information on ingredients:**

3.2 **Mixtures**

Hazardous ingredients

PHOSPHORIC ACID ; REACH registration No. : 01-2119485924-24-XXXX ; EC No. : 231-633-2; CAS No. : 7664-38-2

Weight fraction : $\geq 15 - < 25$ %
Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318

CITRIC ACID ; REACH registration No. : 01-2119457026-42-XXXX ; EC No. : 201-069-1; CAS No. : 77-92-9

Weight fraction : $\geq 10 - < 25$ %
Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

BUTYL CELLOSOLVE ; REACH registration No. : 01-2119475108-36-XXXX ; EC No.: 203-905-0; CAS No. : 111-76-2

Weight fraction : $\geq 1 - < 5$ %
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

Additional information

Full text of R-, H- and EUH-phrases: see section 16

4. **First aid measures:**

General Information: When in doubt or if symptoms are observed, get medical advice

4.1 **In case of inhalation:** : In case of respiratory tract irritation, consult a physician. Remove casualty to fresh air and keep warm and at rest.

In case of skin contact: : After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

After contact with eyes: :After contact with the eyes. Rinse with water with eyelids open for a sufficient length of time, and then consult an ophthalmologist immediately.

After ingestion: : Rinse out mouth with water and give plenty of water to drink.
Seek medical advice.

4.2 **Most important symptoms and effects, both acute and delayed.**

Causes skin irritation. Causes serious eye irritation..

4.3 **Indication of any immediate medical attention and special treatment needed.**

None.

5. **Fire-fighting measures:**

5.1 **Suitable extinguishing media:** : Water foam. Extinguishing powder. Carbon dioxide (CO₂). Sand. Nitrogen. Extinguishing blanket.

5.2 **Special exposure hazards:** : In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO₂). Sulphur oxides.

5.3 **Advice for Fire fighters:** : Wear a self-contained breathing apparatus and chemical protective clothing

5.4 **Additional Information:** The product itself does not burn. Coordinate fire-fighting measures to the fire surroundings. Fire-fighting water forms corrosive acid solutions. Move undamaged containers from immediate hazard area if it can be done safely.



6. **Accidental release measures:**

- 6.1 **Personal Precautions:** : Special danger of slipping by leaking/spilling product.
6.2 **Environmental precautions:** : Do not allow to enter into surface water or drains. Before discharge into sewage plants the product normally needs to be neutralised. .
6.3 **Cleaning/Take-up-processes:** : Clear spills immediately. Wipe up with absorbent material (e.g. cloth, fleece). Wash with plenty of water.
6.4 **Reference to other sections:** : Treat the recovered material as prescribed in the section of waste disposal.
-

7. **Handling and storage:**

- 7.1 **Handling**
Instructions for safe handling : do not inhale the vapour. Keep containers tightly closed.
7.2 **Storage:**
Requirement or storage room: : P406- store in corrosive resistant/... container with resistant inner liner. Keep/Store only in original container. Protect against Frost.
Hints on storage assembly: **Storage class (TRGS 510) :** 12
7.3 **Specific end use(s):** : None.
-

8. **Exposure controls / personal protection:**

8.1 **Control parameters**
Occupational exposure limit values

PHOSPORIC ACID: CAS No: 7664-38-2
Limit value type: TRGS 900 (D)
Parameter: E: respirable fraction.
Limit value: 2 mg/m³
Peak limitation: 2(I)
Remark: Y
Version: 02.04.2014
Limit value type : STEL (EC)
Limit value: 2 mg/m³
Remark: H
Version: 08.06.2000
Limit value type : TWA (EC)
Limit value: 1 mg/m³
Remark: H
Version: 08.06.2000

Biological limit values

BUTYL CELLOSOLVE; CAS No: 111-76-2
Limit value type: TRGS 90 (D)
Limit value: 20 ppm / 98 mg/m³
Peak limitation: 4(II)
Remark: H,Y
Version: 02.04.2014
Limit value type : STEL (EC)
Limit value: 50 ppm / 246 mg/m³
Remark: H
Version: 08.06.2000
Limit value type: TWA (EC)
Limit value: 20 ppm / 98 mg/m³
Remark: H
Version: 08.06.2000

Biological limit values

BUTYL CELLOSOLVE; CAS No: 111-76-2
Limit value type: TRGS 903 (D)
Parameter: Butoxy acetic acid/ Urine (U)/ at long term exposure: after several previous shifts
Limit value: 100 mg/l
Version: 31.03.2004



DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type:	DNEL worker (local) (BUTYL CELLOSOLVE; CAS NO.: 111-76-2)
Exposure route:	Inhalation
Exposure frequency:	Short term (acute)
Limit value:	246 mg/m ³
Limit value type:	DNEL worker (local) (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Exposure route:	Inhalation
Exposure frequency:	Long-term (repeated)
Limit value:	1 mg/m ³
Limit value type:	DNEL worker (local) (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Exposure route:	Inhalation
Exposure frequency:	Short-term (acute)
Limit value:	2 mg/m ³
Limit value type:	DNEL worker (systemic) (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route:	Inhalation
Exposure frequency:	Long-term (repeated)
Limit value:	98 mg/m ³
Limit value type:	DNEL worker (systemic) (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route:	Inhalation
Exposure frequency:	Short-term (acute)
Limit value:	663 mg/m ³
Limit value type:	DNEL worker (systemic) (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route:	Dermal
Exposure frequency:	Long-term (repeated)
Limit value:	75 mg/kg
Limit value type:	DNEL worker (systemic) (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route:	Dermal
Exposure frequency:	Short-term (acute)
Limit value:	89 mg/kg

8.2 **Exposure controls**

Personal protective equipment

Eye / face protection



Wear suitable safety goggles in case of splash
 Safety goggles acc. EN 166

Suitable eye protection:

Skin Protection

Hand protection



Wear protective gloves in case of longer lasting skin contact.

Suitable glove type:	EN 374
Suitable material:	NBR (Nitrile rubber)
Breakthrough time (maximum wearing time):	480 min.
Thickness of the glove material:	0.4 mm
Remarks:	The exact break through time has to be requested from the protective glove manufacturer and limits have to be ensured.



Respiratory protection



Respiratory protection necessary at: exceeding exposure limit values

Suitable respiratory protection apparatus Combination filtering device (EN 14387)

General health and safety measures: Do not put any product-impregnated cleaning rags into your trouser pockets. Do not put any product-impregnated cleaning rags into your trouser pockets. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling.

8.3 **Additional Information:** No tests have been performed. Selection made for preparations according to the best available knowledge and information on ingredients. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

9. Physical and chemical properties:

9.1 Information on the basic physical and chemical properties

Safety relevant basis data

Form:	liquid
Colour:	white
Odour:	lemon
Boiling point:	(1013 hPa) ca. 98 °C
Flash Point:	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Vapour pressure:	(50 °C) No data available
Density:	(20 °C) ca. 1,45 g/cm ³
Solvent separation test:	(20 °C) not applicable
pH-value:	< 1
Flow time:	not applicable DIN-cup 4 mm
Maximum VOC content (EC):	2,5 Wt %

9.2 **Other Information** None

10. Stability and reactivity

10.1 Reactivity:	No information available
10.2 Chemical stability:	The mixture is chemically stable under recommended conditions of storage, use and temperature.
10.3 Possibility of hazardous reactions:	No information available
10.4 Conditions to avoid:	No information available
10.5 Incompatible materials:	No information available
10.6 Hazardous decomposition products:	No information available



11. Toxicological information

11.1

Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : ATEmix calculated
Exposure route : Oral
Effective dose : > 2000 mg/kg
Parameter : LD50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Exposure route : Oral
Species : Rat
Effective dose : 1530 mg/kg
Parameter: LD50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route : Oral
Species : Rat
Effective dose : 1250 - 1490 mg/kg
Method : OECD 401
Parameter: LD50 (CITRIC ACID ; CAS No. : 77-92-9)
Exposure route : Oral
Species : Rat
Effective dose : > 2000 mg/kg

Acute dermal toxicity

Parameter : ATEmix calculated
Exposure route : Dermal
Effective dose : > 2000 mg/kg
Parameter: LD50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route : Dermal
Species : Rabbit
Effective dose : 841 mg/kg
Method : OECD 402
Parameter: LD50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Exposure route : Dermal
Species : Rabbit
Effective dose : 2740 mg/kg

Acute inhalation toxicity

Parameter : ATEmix calculated
Exposure route : Inhalation
Effective dose : > 20 mg/l
Parameter: LC50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route : Inhalation
Species : Rat
Effective dose : 2 - 20 mg/l
Exposure time : 4 h

11.2 Adverse effects: May be absorbed through the skin. Has degreasing effect on the skin. Frequently or prolonged contact with skin may cause dermal irritation.

11.3 Additional information: The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

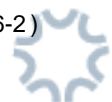
12. Ecological information

12.1 **Toxicity:**

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter: LC50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Species : Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 1474 mg/l
Exposure time : 96 h
Method : OECD 203
Parameter: LC50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Species : Daphnia magna (Big water flea)
Acute (short-term) daphnia toxicity



Evaluation parameter :	1815 mg/l
Effective dose :	24 h
Exposure time :	DIN 38412 / part 11
Method :	LC50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Parameter:	Daphnia magna (Big water flea)
Species :	Chronic (long-term) daphnia toxicity
Evaluation parameter :	297 mg/l
Effective dose :	21 d
Exposure time :	OECD 211
Method :	
Chronic (long-term) daphnia toxicity	NOEC (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Parameter:	Daphnia magna (Big water flea)
Species :	Acute (short-term) daphnia toxicity
Evaluation parameter :	56 mg/l
Effective dose :	48 h
Exposure time :	OECD 202
Method :	NOEC (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Parameter:	Brachydanio rerio (zebra-fish)
Species :	Chronic (long-term) fish toxicity
Evaluation parameter :	> 100 mg/l
Effective dose :	21 d
Exposure time :	OECD 204
Method :	NOEC (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Parameter:	Daphnia magna (Big water flea)
Species :	Chronic (long-term) daphnia toxicity
Evaluation parameter :	100 mg/l
Effective dose :	21 d
Exposure time :	OECD 211
Method :	NOEC (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Parameter:	Desmodesmus subspicatus
Species :	Acute (short-term) algae toxicity
Evaluation parameter :	100 mg/l
Effective dose :	72 h
Exposure time :	OECD 201
Method :	NOEC (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Parameter:	Algae
Species :	286 mg/l
Effective dose :	72 h
Exposure time :	OECD 201
Method :	
Acute (short-term) algae toxicity	EC50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Parameter:	Daphnia magna (Big water flea)
Species :	Acute (short-term) daphnia toxicity
Evaluation parameter :	> 100 mg/l
Effective dose :	48 h
Exposure time :	OECD 202
Method :	EC50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Parameter:	Algae
Species :	1840 mg/l
Effective dose :	72 h
Exposure time :	OECD 201
Method :	EC50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Parameter:	Desmodesmus subspicatus
Species :	Acute (short-term) algae toxicity
Evaluation parameter :	> 100 mg/l
Effective dose :	72 h
Exposure time :	OECD 201
Method :	

12.2 Persistence and degradability:

Parameter:	Biodegradation (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Inoculum	Biodegradation
Effective dose	88 %



Exposure time 20 d
According to the recipe, contains no AOX.

- 12.3 **Bio accumulative potential:** No information available.
- 12.4 **Mobility in soil:** No information available.
- 12.5 **Results of PBT and vPvB assessment:** This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
- 12.6 **Other adverse effects:** No information available.
- 12.7 **Further ecological information:** After neutralisation, reduction in toxic effects is observed.

13. Disposal considerations

13.1 The waste codes are recommendations based on the schedule use of the product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

Waste Treatment methods

Product/Packaging disposal: 07 06 01*- aqueous washing liquid and mother liquors
20 01 29*- detergents containing dangerous substances

Waste code packaging: 15 01 02 plastic packages

**Waste treatment options
Appropriate disposal / Package:** Contaminated packaging must be emptied of all residues and following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

13.2 **Additional information:** These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

14. Transport information:

- 14.1 **UN Number:** 1760
- 14.2 **UN proper shipping name**
- Land transport (ADR/RID):** CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID)
- Sea transport (IMDG):** CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID)
- Air transport (ICAO-TI / IATA-DGR)** CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID)
- 14.3 **Transport hazard class(es)**
- Land transport (ADR/RID)**
- Class(es):** 8
- Classification code:** C9
- Hazard identification number (Kemler no.):** 80
- Tunnel restriction code:** E
- Special provisions:** LQ 7 - E1
- Hazard label (s):** 8
- Sea Transport (IMDG):**
- Class(es):** 8
- EmS-No:** F-A /S-B
- Special provisions:** LQ 5 I E1
- Hazard label:** 8
- Air Transport (ICAO-TI / IATA-DGR)**
- Class(es):** 8
- Special provisions:** E1
- Hazard label(s):** 8
- 14.4 **Packing group** III
- 14.5 **Environmental hazard**
- Land transport (ADR/RID):** No
- Sea transport (IMDG):** No
- Air transport (ICAO-TI / IATA-DGR):** No



Special precaution for user: None

15. Regulatory Information:

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU LEGISLATIONS

Other regulation (EU)

Restriction of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Labelling for contents according to regulation (EC) No.648/2004

Perfumes

National regulations

AT: Labelling according to Austrian regulations (Chemikaliengesetz/ChemV).
CH: Chemikalienverordnung (ChemV) and Chemikalien-Risikoreduktions-Verordnung (Chem RRV) are complied.

Water hazard class (WGK):

Class: 1 (slightly hazardous to water) Classification according to VwVwS

Other regulations, restrictions and prohibition regulations:

No flammable liquid according to BetrSichV.

15.2 Chemical safety assessment:

No information available.

16. Other information

16.1 Indication of changes:

02. Classification of the substance or mixture · 02. Label elements · 03. Hazardous ingredients · 14. Transport hazard class(es)
- Land transport (ADR/RID) · 14. Transport hazard class(es) - Sea transport (IMDG) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR)

16.2 Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOX: adsorbable organohalogens
CAS: Chemical Abstracts Service (division of the American Chemical Society)
CLP: Classification Labelling and Packaging (Regulation (EC) No. 1272/2008)
EAK / AVV: europäischer Abfallschlüsselkatalog (european waste catalogue)
EINECS: European Inventory of Existing Commercial Chemical Substances
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Code for Dangerous Goods
RCP: reciprocal calculation procedure
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
TRGS: Technische Regel für den Umgang mit Gefahrstoffen
VbF: Verordnung über brennbare Flüssigkeiten
VOC: volatile organic compound
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
WGK: Wassergefährdungsklasse (water hazardous class)

16.3 Key literature reference and sources for data:

DGUV: GESTIS-Stoffdatenbank
ECHA: Classification And Labelling Inventory
ECHA: Registered Substances
ECHA: Registered Substances
EC_Safety Data Sheet of Suppliers
ESIS: European Chemical Substances Information System
GDL: Gefahrstoffdatenbank der Länder
UBA Rigoletto: Wassergefährdende Stoffe



- 16.4 **Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008:**
no available information
- 16.5 **Relevant R-, H- and EUH-phrases (Number and full text)**
- | | |
|------|--|
| H290 | May be corrosive to metals |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eyes irritation. |
| H332 | Harmful if inhaled |
- 16.6 **Training advice** None
-

The above information describes exclusively the safety requirements of the products and is based on our present day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

End of document.



