

## Safety Data Sheet

**ECO Industrial Degreaser Concentrate**

Version 2.0

Revision Date 05/21/2014

Print Date 05/23/2014

**SECTION 1. IDENTIFICATION**

Commercial Product Name : ECO Industrial Degreaser Concentrate  
Product number : 0893117103  
SDS-Identcode : 10042273  
Product Use Description : Cleansing agents, alkaline.  
Company : Wurth USA Inc.  
93 Grant St.  
07446 Ramsey, NJ  
USA  
Telephone : +1 201 825 27 10  
Telefax : +1 201 825 16 43  
Responsible/issuing person : prodsafe@wuerth.com  
Emergency telephone number : +1 800 255 3924

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Skin irritation : Category 2  
Eye irritation : Category 2A  
Reproductive toxicity : Category 1B

**GHS Label element**

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H360 May damage fertility or the unborn child.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.

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P202 Do not handle until all safety precautions have been read and understood.

P264 Wash skin thoroughly after handling.

P280 Wear eye protection/ face protection.

P280 Wear protective gloves.

P281 Use personal protective equipment as required.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of soap and 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.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Weight percent - Weight percent
Sodiumsilicate, pentahydrate	10213-79-3	>= 1 - < 5
boric acid, disodium salt	1330-43-4	>= 1 - < 5

**SECTION 4. FIRST AID MEASURES**

General advice	: If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.
Inhalation	: If breathed in, move person into fresh air.
Skin contact	: Immediately flush skin with large amounts of water.
Eye contact	: If easy to do, remove contact lens, if worn. In the case of

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Ingestion : contact with eyes, rinse immediately with plenty of water and seek medical advice.  
: If swallowed, DO NOT induce vomiting. If symptoms persist, call a physician. If a person vomits when lying on his back, place him in the recovery position.

**Notes to physician**

Treatment : Treat symptomatically and supportively.

**SECTION 5. FIREFIGHTING MEASURES**

Form : liquid  
Flash point : Note: does not flash

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.  
Hazardous decomposition products may be formed under fire conditions (see section 10).  
Exposure to decomposition products may be a hazard to health.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.  
Use personal protective equipment.

Further information : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
In the event of fire and/or explosion do not breathe fumes.  
Use water spray to cool unopened containers.  
Collect contaminated fire extinguishing water separately.  
This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water

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must be disposed of in accordance with local regulations.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Refer to protective measures listed in sections 7 and 8.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.  
Clean contaminated surface thoroughly.

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**SECTION 7. HANDLING AND STORAGE****Handling**

- Handling : For personal protection see section 8.  
Do not breathe vapours or spray mist.  
Avoid contact with skin and eyes.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Dust explosion class : Not applicable

**Storage**

- Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Protect from frost, heat and sunlight.
- Advice on common storage : Incompatible with oxidizing agents.
- Other data : No decomposition if stored and applied as directed.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Exposure Guidelines**

Components	CAS-No.	List	Type:	Value	Update
boric acid, disodium salt	1330-43-4	NIOSH REL	TWA	1 mg/m <sup>3</sup>	2013-10-08
		ACGIH	TWA	2 mg/m <sup>3</sup>	2013-03-01
		ACGIH	STEL	6 mg/m <sup>3</sup>	2013-03-01

Engineering measures : Provide adequate ventilation.

Eye protection : In case of splash hazard, please wear protective goggles.

Hand protection

 Glove material : Natural Rubber  
butyl-rubber

Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

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

Hygiene measures : General industrial hygiene practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

 Form : liquid  
Physical state : liquid

 Colour : clear, violet  
Odour : mild  
Odour Threshold : No data available  
Flash point : Note: does not flash

 Ignition temperature : No data available  
Thermal decomposition : No data available  
Lower explosion limit : Not applicable

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Upper explosion limit	: Not applicable
Flammability	: No data available
Molecular weight	: No data available
pH	: 10.5 - 11.5
Freezing point	: No data available
Boiling point/boiling range	: 100 °C(212 °F)
Vapour pressure	: No data available
Relative vapour density	: ca.1 (Air = 1.0)
Evaporation rate	: No data available
Density	: 0.995 - 1.005 g/cm <sup>3</sup>
Relative density	: No data available
Bulk density	: No data available
Water solubility	: completely soluble
Partition coefficient: n-octanol/water	: No data available
Solubility in other solvents	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Volatile organic compounds (VOC) content	: 0 %

**SECTION 10. STABILITY AND REACTIVITY**

Materials to avoid	: Strong oxidizing agents
Hazardous decomposition products	: Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.
Hazardous reactions	: Note: No decomposition if stored and applied as directed.

**SECTION 11. TOXICOLOGICAL INFORMATION**

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Acute dermal toxicity	:	Acute toxicity estimate Dose: > 5,000 mg/kg Method: Calculation method
Skin irritation	:	Result: Skin irritation Irritating to skin.
Eye irritation	:	Result: Eye irritation Eye irritation
Carcinogenicity	:	No data is available on the product itself.
Reproductive toxicity	:	No data is available on the product itself.
Teratogenicity	:	No data is available on the product itself.

**Component:**

Sodiumsilicate, pentahydrate	10213-79-3	<u>Skin irritation</u> : Causes burns.
boric acid, disodium salt	1330-43-4	<u>Reproductive toxicity</u> : Presumed human reproductive toxicant. May damage fertility. May damage the unborn child.

**Carcinogenicity:****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.

**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.

**SECTION 12. ECOLOGICAL INFORMATION**

Adsorbed organic bound : not included

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halogens (AOX)  
Volatile organic  
compounds (VOC)  
content : 0 %

**SECTION 13. DISPOSAL CONSIDERATIONS**

Adequate disposal : In accordance with local and national regulations.  
Do not dispose of waste into sewer.  
Do not dispose of together with household waste.

**SECTION 14. TRANSPORT INFORMATION**

**DOT 49 CFR**  
Not dangerous goods

**TDGR**  
Not dangerous goods

**ICAO/IATA-DGR**  
Not dangerous goods

**IMDG-Code**  
Not dangerous goods

**SECTION 15. REGULATORY INFORMATION**

**SARA 311/312 Hazards** : Acute Health Hazard  
Chronic Health Hazard

**PENN RTK** US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code  
Chap. 301-323)

Components	CAS-No.
water	7732-18-5
Sodiumsilicate, pentahydrate	10213-79-3
boric acid, disodium salt	1330-43-4
Non ionic surfactant	68991-48-0



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**MASS RTK**

US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

Components	CAS-No.
boric acid, disodium salt	1330-43-4

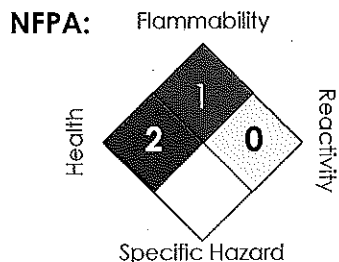
**NJ RTK**

US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

Components	CAS-No.
water	7732-18-5
sodium gluconate	527-07-1
Sodiumsilicate, pentahydrate	10213-79-3
boric acid, disodium salt	1330-43-4
Aspartic acid, N-(1,2-dicarboxyethyl)-, sodium salt (1:4)	144538-83-0
Non ionic surfactant	68991-48-0

**California Prop. 65**

: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SECTION 16. OTHER INFORMATION**
**Further information**

**HMIS III:**

<b>HEALTH</b>	<b>3*</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL</b>	<b>0</b>

 0 = Insignificant, 1 = Slight,  
 2 = Moderate, 3 = High, 4 = Extreme

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only



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as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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