

# ALKALINE CLEANER

## SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Product name Boiler Treat Ultra after Descaler  
Product number 408  
Brand KURITA SM-4006E

**Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s) Alkaline Cleaning Product  
Uses Advised Against None

**Supplier's details**

Name: **KURITA-GK-CHEMICAL CO.LTD**

Address Office :

TCH-Harderwijk. Wouterskampen 34,  
3849BB Hierden. Netherlands. (Eroupe)

<http://www.kurita-gk-chemical.com/>

Emergency : <http://www.kurita-gk-chemical.com/>

### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)

Skin Irrit. 2; Eye Irrit. 2a

**Label elements**

Hazard Symbol



**WARNING**

Signal word(s)

Hazard Statement(s)

Causes serious eye irritation.

Causes skin irritation.

Precautionary Statement(s)

Avoid contact with skin and eyes.

Wear protective gloves/eye protection.

Wash hands and exposed skin after use.

IF INHALED: Get medical advice/attention if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

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IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Other hazards

None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Surfactant mixture	5 - 10	Mixture	Skin Irrit. 2; H315 Eye Irrit. 2B; H320 Aquatic Acute 3; H402 Aquatic Chronic 3; H412
Ethanolamine	0.5 – 1.5	141-43-5	Acute Tox. 4; H302, H312, H332 Eye Dam. 1; H318 Skin Corr. 1B; H314 STOT SE 3; H335 Aquatic Chronic 3; H412

**Additional Information** - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below: **None**

### SECTION 4: FIRST AID MEASURES



**Description of first aid measures**

Inhalation

Get medical advice/attention if you feel unwell.

Skin Contact

Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Take off contaminated clothing and wash before reuse.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

Ingestion

Call a POISON CENTER or doctor/physician if you feel unwell.

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

Causes irritation to eyes and skin.

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

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

### SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media**

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Non-combustible. As appropriate for surrounding fire.  
None anticipated.

**Special hazards arising from the substance or mixture**

Combustion or thermal decomposition will evolve toxic and irritant vapours.

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**Advice for fire-fighters**

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes. Wear protective gloves/eye protection.

**Environmental precautions**

Prevent liquid entering sewers, basements and work pits. Avoid release to the environment.

**Methods and material for containment and cleaning up**

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

**Reference to other sections**

None

**Additional Information**

None

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

Avoid contact with skin and eyes. Wear protective gloves/eye protection.

**Conditions for safe storage, including any incompatibilities**

-Storage temperature

Do not allow material to freeze.

-Incompatible materials

This product should be stored away from sources of strong heat and oxidizing chemicals.

**Specific end use(s)**

Alkaline Cleaning Product

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

**Occupational Exposure Limits**

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Ethanolamine	141-43-5	3 ppm	3 ppm	-----	6 ppm	-----

-LTTEL: Long Term Exposure Limit; STEL: Short Term Exposure Limit

**Recommended monitoring method**

NIOSH 2007 (Aminoethanol compounds)

**Exposure controls**

**Appropriate engineering controls**

Not normally required.

**Personal protection equipment**

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely. (Butyl rubber, Nitrile rubber, Neoprene). Check with protective equipment manufacturer's data.

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Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

**Environmental Exposure Controls**

Avoid release to the environment.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Appearance	Liquid
Color	available
Odor	Mild
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	-0 °C (similar to water)
Boiling point/boiling range (°C):	~100 °C (similar to water)
Flash Point (°C)	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not available
Vapor pressure (Pascal)	Not available
Vapor Density (Air=1)	Not available
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	Not available
Explosive properties	Not available
Oxidizing properties	Not available
<b>Other information</b>	Not available

### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	This product should be stored away from sources of strong heat and oxidizing chemicals.
<b>Hazardous decomposition product(s)</b>	Carbon monoxide, Carbon dioxide, Acrid smoke

### SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

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### Information on toxicological effects

Surfactant mixture (CAS# Mixture) - By analogy with similar materials:

<b>Acute toxicity</b>	LD50 (oral): ~2290 mg/kg-bw (rat)
<b>Irritation/Corrosivity</b>	Irritating to eyes and skin.
<b>Sensitisation</b>	Not to be expected.
<b>Repeated dose toxicity</b>	Not to be expected.

**Carcinogenicity** It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

<b>Mutagenicity</b>	Not to be expected.
<b>Toxicity for reproduction</b>	Not to be expected.

### SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

Surfactant mixture (CAS# mixture) - By analogy with similar materials:

Short term	LC50 (96 hour): ~ 37 mg/l (fish) LC50 (48 hour): ~ 38 mg/l (aquatic invertebrate)
Long Term	Not available.
<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Results of PBT and vPvB assessment</b>	Not available.
<b>Other adverse effects</b>	None known.

### SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
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### SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
<b>UN number</b>			
<b>Proper Shipping Name</b>			
<b>Transport hazard class(es)</b>			
<b>Packing group</b>			
<b>Environmental hazards</b>			
<b>Special precautions for user</b>			
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b> Not applicable			

Not classified as dangerous for transport.

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### SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories: None

Fire  Sudden Release  Reactivity  Immediate (acute)  Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	-----	-----	-----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	-----	-----

### SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: April 14, 2015

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- H302: Harmful if swallowed.
- H312: Harmful in contact with skin.
- H314: Causes severe skin burns and eye damage.
- H315: Causes skin irritation.
- H320: Causes eye irritation.
- H332: Harmful if inhaled.
- H402: Toxic to aquatic life.
- H412: Harmful to aquatic life with long lasting effects.

Training advice: None.

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