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Chemical Approval Request Form		SA-FM71/02	
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Please complete **Section 1** through **Section 3**, attach it to the SDS (MSDS) and forward to EHS Department. Once reviewed and approved, you will receive a copy that must be attached to your requisition for the product.

=====

CHEMICALS ARE NOT PERMITTED TO ENTER OUR BUILDING WITHOUT HAVING AN APPROVED SDS (MSDS) ON FILE.

CHEMICALS CANNOT BE USED FOR PURPOSES OTHER THAN THOSE IDENTIFIED IN THIS FORM. IF THE SAME CHEMICAL HAS A DIFFERENT APPLICATION, PLEASE SUBMIT A NEW FORM WITH THE APPROPRIATE INFORMATION

NO Chemical Purchases shall be made through a Credit Card

P.R. # (If Applicable):

SECTION 1: CHEMICAL INFORMATION (*Originator to Complete*)

Chemical Trade Name and/or Tool Crib Description: Alconox Powdered Precision Cleaner	Chemical Part # or Product Code as shown on the Container: 1104	Manufacturer: Alconox
Has the SDS (MSDS) Log been checked for similar products? (Check One) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	This chemical is: (Check One) Replacement <input type="checkbox"/> for: _____ New <input checked="" type="checkbox"/>	
Group Classification Index: (Check One) Cutting Fluids <input type="checkbox"/> Oils & Greases <input type="checkbox"/> Solvents <input type="checkbox"/> Adhesives & Sealants <input type="checkbox"/> Paints <input type="checkbox"/> Inserts <input type="checkbox"/> Cleaners-Production <input checked="" type="checkbox"/> Gases <input type="checkbox"/> Janitorial <input type="checkbox"/> Other <input type="checkbox"/> _____		
Department/Area/Line for use: _Metallurgical Laboratory_____		
For what application will this product be USED: Cleaning glassware, counters, floors, test specimens		
How will the product be USED: (Check One) Spray <input type="checkbox"/> Dip <input checked="" type="checkbox"/> Brush <input type="checkbox"/> Wipe <input type="checkbox"/> Equipment Consumable (e.g. gear oil) <input type="checkbox"/> Machining Fluid <input type="checkbox"/> Other <input type="checkbox"/> _____		
Where will this chemical STORED: (Check One) Oil Room <input type="checkbox"/> Central Stores <input type="checkbox"/> Maintenance <input type="checkbox"/> Met Lab <input checked="" type="checkbox"/> Janitorial Room <input type="checkbox"/> Flammable Cabinet <input type="checkbox"/> _____ QA <input type="checkbox"/> Other <input type="checkbox"/> _____		



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SECTION 2: ENVIRONMENTAL / HEALTH & SAFETY INFORMATION (Originator to Complete)

Will this chemical be transferred from the original container? Yes No

How will this chemical be disposed? (Check One)
 Regular Garbage Chemical Disposal Pickup Service Other : _____

How will the empty containers be disposed?
 Recycle (rinse) Recycle (no rinse) Garbage collection Return to supplier
 Other Disposal : _____

Specific Personal Protective Equipment (PPE) required: Yes No

If Yes, what PPE is required? Explain Below
 Safety Glasses and disposable gloves

Is above PPE available? Yes No If NO, inform your supervisor

All affected employees must be notified about the new chemical. Please ensure that the Area Supervisor is informed and they communicate this change at their next department/line meeting. Ensure to cc EHS on this communication.

SECTION 3: TRAINING (Originator to Complete)

What specific training is required in handling or use of this product? None

Who will require this specific training:

Originator's Name (please print): David Stitt	Date (yy/mm/dd):
Supervisor's Signature:	Date (yy/mm/dd):



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The rest of the form will be completed by EHS

SECTION 4: EHS CONSIDERATIONS (EHS to Complete)

Does the above chemical affect the following?	NPRI <input type="radio"/>	TRA <input type="radio"/>	N/A <input checked="" type="radio"/>
Engineering Control Requirements:	none		
Special Handling Requirements:	safety glasses and gloves		
Waste Requirements: (e.g. waste class, container type, etc.)	regular garbage		
Certificate of Approval Modification Required:	none		
Informed JHSC Worker Co-chair by E-mail:	Yes <input type="radio"/> Not Applicable <input checked="" type="radio"/>		

SECTION 5: SIGNATURES OF APPROVAL – Signature indicates approval

Action	Who (Please PRINT)	When (yy-mm-dd)	Signature
This product has been reviewed for EHS risk / impact by Environmental Management Rep Review for any needed changes to Aspects and Impacts, and Legal and Other Requirements	Nicole Arcin	15/09/24	Nicole Arcin
This product has been entered and our chemical control systems updated (Engineering /Designate)			

The Original Copy of this approval stays together with SDS (MSDS) to be filed electronically and the hardcopy filed in the SDS binder.

SECTION 6: Rejected

Who (Please PRINT)	When (yy-mm-dd)	Signature
Reason for rejection:		

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
GHS

Effective date: 11/20/2014

Revision: 05/12/2015

ALCONOX**1 Identification of the Substance/mixture and of the Company/Undertaking****1.1 Product identifier**Trade name: **ALCONOX**

Application of the substance / the preparation: Cleaning material/ Detergent

1.2 Relevant identified uses of the substance or mixture and uses advised against:

No additional information available.

1.3 Details of the supplier of the Safety Data Sheet**Manufacturer/Supplier:**

Alconox, Inc.
30 Glenn St., Suite 309
White Plains, NY 10603
Phone: 914-948-4040



Further information obtainable from: Product Safety Department

1.4 Emergency telephone number:

ChemTel Inc.: (800)255-3924, +1 (813)248-0585

2 Hazards Identification**2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008:***Eye Irrit. 2B; H320: Causes eye irritation.***Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008:**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:**Signal word:** Warning**Hazard-determining components of labelling:**

Sodium Alkylbenzene Sulfonate

Hazard statements:

H320: Causes eye irritation.

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash thoroughly after handling.

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

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

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GHS

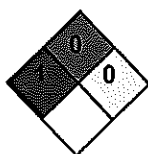
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Other Hazard description:**WHMIS-classification and symbols:**

D2B - Toxic material causing other toxic effects

**NFPA ratings (scale 0 - 4)**

Health = 1
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	1	Health = 1
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

2.3 Other hazards**Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/Information on Ingredients**3.2 Chemical characterization: Mixture**

Description: Hazardous ingredients of mixture listed below.

Identifying Nos.	Description	Wt. %
CAS: 68081-81-2	Sodium Alkylbenzene Sulfonate	10 - 25%
CAS: 497-19-8	Sodium Carbonate	5-15%
CAS: 7722-88-5	Tetrasodium pyrophosphate	5-15%
CAS: N/A	Proprietary (non-classified)	40-60%

Additional information: For the wording of the listed risk phrases refer to section 16.

4 First Aid Measures**4.1 Description of first aid measures****General information:**

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and SDS to health professional with contaminated individual.

After Inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

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After eye contact:

Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed:

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed:

No additional information available.

5 Firefighting Measures**5.1 Extinguishing media:****Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture:

No additional information available.

5.3 Advice for firefighters:**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

6 Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Product forms slippery surface when combined with water.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Clean the affected area carefully; suitable cleaners are: Warm water

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information

7 Handling and Storage**7.1 Precautions for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Prevent formation of dust.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities:**Storage:**

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: None required.

Further information about storage conditions: Protect from humidity and water.

7.3 Specific end use(s): No additional information available.

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8 Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the skin.
- Avoid contact with the eyes and skin.

Respiratory protection:

- Not required under normal conditions of use.
- In case of brief exposure or low pollution use respiratory filter device.
- In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product. Selection of the glove material should be based on the penetration time, rates of diffusion and the degradation of the glove material.

Material of gloves:

The selection of a suitable gloves does not only depend on the material, but also on the quality, and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact break through time has to be determined by the manufacturer of the protective gloves. DO NOT exceed the breakthrough time set by the Manufacturer.

For long term contact, gloves made of the following materials are considered suitable:

- Butyl rubber, BR
- Nitrile rubber, NBR
- Natural rubber (NR)
- Neoprene gloves

Eye protection:



Safety glasses

Body protection: Protective work clothing

9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

General Information:

Appearance:

Form:	Powder
Color:	White
Odor:	Odorless
Odor threshold:	Not determined.
pH-value (10 g/l) at 20°C:	9.5 (NA for Powder form)

Change in condition:

Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Not determined.

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Flash point:	Not applicable.
Flammability (solid, gaseous):	Not determined.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure:	Not applicable.
Density at 20°C:	1,1 g/cm ³
Relative density:	Not determined.
Vapor density:	Not applicable.
Evaporation rate:	Not applicable.
Solubility in / Miscibility with water:	Soluble.
Segregation coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solvent content:	
Organic solvents:	0.0 %
Solids content:	100 %
9.2 Other information:	No additional information available.

10 Stability and Reactivity

10.1 Reactivity:

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions:

Reacts with acids.
Reacts with strong alkali.
Reacts with strong oxidizing agents.

10.4 Conditions to avoid:

No additional information available.

10.5 Incompatible materials:

No additional information available.

10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide
Phosphorus compounds
Sulphur oxides (SOx)

11 Toxicological Information

11.1 Information on toxicological effects:

Toxicity data: No additional information available.

Primary irritant effect:

On the skin: Irritating to skin and mucous membranes.
On the eye: Strong irritant with the danger of severe eye injury.
Sensitization: No sensitizing effects known.

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Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant.

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological Information

12.1 Toxicity:

Aquatic toxicity: No additional information available.

12.2 Persistence and degradability: No additional information available.

12.3 Bioaccumulative potential: Not worth-mentioning accumulating in organisms.

12.4 Mobility in soil: No additional information available.

Ecotoxicological effects:

Remark: Harmful to fish

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects: No additional information available.

13 Disposal Considerations

13.1 Waste treatment methods:

Recommendation:

Smaller quantities can be disposed of with household waste.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

The surfactant used in this product complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, together with cleansing agents, if necessary.

14 Transport Information

14.1 UN-Number:

DOT, ADR, ADN, IMDG, IATA: Not Regulated

14.2 UN proper shipping name:

DOT, ADR, IMDG, IATA: Not Regulated

14.3 Transport hazard class(es):

DOT, ADR, IMDG, IATA:

Class: Not Regulated

Label: -

14.4 Packing group:

DOT, ADR, IMDG, IATA: Not Regulated

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14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user: Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

UN "Model Regulation": Not Regulated

15 Regulatory Information

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

United States (USA):

SARA:

Section 355 (extremely hazardous substances): None of the ingredient is listed.

Section 313 (Specific toxic chemical listings): None of the ingredient is listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredient is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredient is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredient is listed.

Chemicals known to cause developmental toxicity: None of the ingredient is listed.

Carcinogenic Categories:

EPA (Environmental Protection Agency): None of the ingredient is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredient is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredient is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredient is listed.

Canada:

Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%): None of the ingredient is listed.

Canadian Ingredient Disclosure list (limit 1%):

497-19-8 Sodium Carbonate

7722-88-5 Tetrasodium pyrophosphate

151-21-3 Sodium dodecylsulphate

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H320: Causes eye irritation.

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Abbreviations and Acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG: International Maritime Code for Dangerous Goods.
DOT: US Department of Transportation.
IATA: International Air Transport Association.
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.
ACGIH: American Conference of Governmental Industrial Hygienists.
NFPA: National Fire Protection Association (USA).
HMIS: Hazardous Materials Identification System (USA).
WHMIS: Workplace Hazardous Materials Information System (Canada).
VOC: Volatile Organic Compounds (USA, EU).
LC50: Lethal concentration, 50 percent.
LD50: Lethal dose, 50 percent.

SDS Created by:

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