

#### NAS ENF

### **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : NAS ENF

Other means of identification: Not applicable

Recommended use Intermediate

Restrictions on use Reserved for industrial and professional use.

Product dilution information Product is sold ready to use.

Company Ecolab Inc.

1 Ecolab Place

St. Paul, Minnesota USA 55102

1-800-352-5326

Emergency health

information

: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

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### **SECTION 2. HAZARDS IDENTIFICATION**

#### **GHS Classification**

Eye irritation : Category 2A

single exposure

Specific target organ toxicity - : Category 3 (Respiratory system)

#### **GHS** label elements

Hazard pictograms



Signal Word : Warning

**Hazard Statements** : Causes serious eye irritation.

May cause respiratory irritation.

**Precautionary Statements** : Prevention:

> Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated

area. Wear eye protection/ face protection.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye

irritation persists: Get medical advice/ attention.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Store

locked up. Disposal:

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

Other hazards : None known.

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### NAS ENF

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

Pure substance/mixture Mixture

Chemical name CAS-No. Concentration (%)

Secondary Alkanesulphonates 5324-84-5 10 - 30

**SECTION 4. FIRST AID MEASURES** 

In case of eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. If eye

irritation persists: Get medical advice/ attention.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if

symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal

protective equipment.

: Treat symptomatically. Notes to physician

Most important symptoms and effects, both acute and

delayed

: See Section 11 for more detailed information on health effects and

symptoms.

# **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

: None known.

Specific hazards during fire

fighting

: Not flammable or combustible.

Hazardous combustion

products

: Decomposition products may include the following materials:

Carbon oxides Sulfur oxides

Oxides of phosphorus

for fire-fighters

Special protective equipment : Use personal protective equipment.

Specific extinguishing

methods

: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire

and/or explosion do not breathe fumes.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and : Ensure clean-up is conducted by trained personnel only. Refer to

protective measures listed in sections 7 and 8.

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# **NAS ENF**

emergency procedures

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up

: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not

reach a waterway.

### **SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Avoid contact with skin and eyes. Do not breathe dust/ fume/ gas/

mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective

Equipment (PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 15 °C to 50 °C

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

### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

#### Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : When workers are facing concentrations above the exposure limit they

must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Wash face, hands and any exposed skin thoroughly after

handling.

# **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid
Color : colorless
Odor : slight

pH : 5.0, (100 %)

Flash point : Not applicable

Odor Threshold : No data available

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Melting point/freezing point

Initial boiling point and

boiling range

: No data available : No data available

Evaporation rate : No data available

Flammability (solid, gas) : Not applicable Upper explosion limit : No data available Lower explosion limit : No data available

Vapor pressure : No data available Relative vapor density : No data available

Relative density : 1.11

Water solubility : No data available Solubility in other solvents : No data available Partition coefficient: n-

octanol/water

: No data available

Autoignition temperature : No data available Thermal decomposition : No data available Viscosity, kinematic : No data available Explosive properties : No data available Oxidizing properties : No data available : No data available Molecular weight

VOC : No data available

# **SECTION 10. STABILITY AND REACTIVITY**

: No dangerous reaction known under conditions of normal use. Reactivity

Chemical stability : Stable under normal conditions.

Possibility of hazardous

reactions

: No dangerous reaction known under conditions of normal use.

Conditions to avoid : None known.

Incompatible materials : Bases

Metals

Hazardous decomposition

products

: In case of fire hazardous decomposition products may be produced

such as: Carbon oxides Sulfur oxides

Oxides of phosphorus

# **SECTION 11. TOXICOLOGICAL INFORMATION**

exposure

Information on likely routes of : Inhalation, Eye contact, Skin contact

**Potential Health Effects** 

: Causes serious eye irritation. Eyes

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# **NAS ENF**

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : May cause respiratory tract irritation. May cause nose, throat, and

lung irritation.

Chronic Exposure : Health injuries are not known or expected under normal use.

#### **Experience with human exposure**

Eye contact : Redness, Pain, Irritation

Skin contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

Inhalation : Respiratory irritation, Cough

# **Toxicity**

**Product** 

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg

Acute inhalation toxicity : No data available
Acute dermal toxicity : No data available
Skin corrosion/irritation : No data available

Serious eye damage/eye

irritation

: No data available

Respiratory or skin

sensitization

: No data available

Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

# **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

Environmental Effects : This product has no known ecotoxicological effects.

**Product** 

Toxicity to fish : No data available

Toxicity to daphnia and other : No data available

aquatic invertebrates

Toxicity to algae : No data available

Components

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### **NAS ENF**

Toxicity to daphnia and other

aquatic invertebrates

Secondary Alkanesulphonates 48 h EC50 Daphnia: 3,200 mg/l

#### Persistence and degradability

Not applicable - inorganic

#### **Bioaccumulative potential**

No data available

#### Mobility in soil

No data available

#### Other adverse effects

No data available

# **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : Where possible recycling is preferred to disposal or incineration. If

recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to

an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and

federal regulations.

# **SECTION 14. TRANSPORT INFORMATION**

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

### Land transport (DOT)

Not dangerous goods

#### Sea transport (IMDG/IMO)

Not dangerous goods

### **SECTION 15. REGULATORY INFORMATION**

# **EPCRA - Emergency Planning and Community Right-to-Know**

## **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

# SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Specific target organ toxicity (single or repeated exposure)

Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302

EHS TPQ.

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### **NAS ENF**

#### **SARA 313**

: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### California Prop. 65

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

#### California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation does not apply to this product.

#### The ingredients of this product are reported in the following inventories:

# Switzerland. New notified substances and declared preparations :

not determined

#### **United States TSCA Inventory:**

All substances listed as active on the TSCA inventory

#### Canadian Domestic Substances List (DSL):

This product contains one or several components listed in the Canadian NDSL.

## Australia Inventory of Chemical Substances (AICS) :

not determined

### New Zealand. Inventory of Chemical Substances:

not determined

#### Japan. ENCS - Existing and New Chemical Substances Inventory:

not determined

# Korea. Korean Existing Chemicals Inventory (KECI):

On the inventory, or in compliance with the inventory

### Philippines Inventory of Chemicals and Chemical Substances (PICCS):

not determined

# China. Inventory of Existing Chemical Substances in China (IECSC):

On the inventory, or in compliance with the inventory

#### Taiwan Chemical Substance Inventory (TCSI):

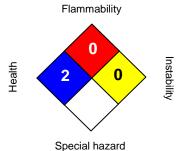
On the inventory, or in compliance with the inventory

# **SECTION 16. OTHER INFORMATION**

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# **NAS ENF**

### NFPA:



#### HMIS III:

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

Issuing date : 10/16/2019

Version : 1.0

Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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 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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