

**Section: 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : NALCO® GR-602  
Other means of identification : Not applicable.  
Recommended use : FLOCCULANT  
Restrictions on use : Refer to available product literature or ask your local Sales Representative for restrictions on use and dose limits.  
Company : Nalco Company  
1601 W. Diehl Road  
Naperville, Illinois 60563-1198  
USA  
TEL: (630) 305-1000  
Emergency telephone number : (800) 424-9300 (24 Hours) CHEMTREC  
Issuing date : 03/26/2021

**Section: 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Not a hazardous substance or mixture.

**GHS Label element**

Hazard Statements : If swallowed a jelly mass may form which in digestion may cause blockage.  
Precautionary Statements : **Prevention:**  
Wash hands thoroughly after handling. Water in contact with the product will cause slippery floor conditions.  
**Response:**  
Specific measures: consult SDS Section 4. Do NOT induce vomiting.  
**Storage:**  
Store in accordance with local regulations. Mix thoroughly before use. Protect product from freezing.  
**Other hazards** : Mix thoroughly before use. If swallowed a jelly mass may form which in digestion may cause blockage. Water in contact with the product will cause slippery floor conditions.

**Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture : Mixture  
No hazardous ingredients

**Section: 4. FIRST AID MEASURES**

In case of eye contact : Rinse with plenty of water. Get medical attention if symptoms occur.  
In case of skin contact : Wash off with soap and plenty of water. Get medical attention if symptoms occur.  
If swallowed : Rinse mouth. Get medical attention if symptoms occur.  
If inhaled : Get medical attention if symptoms occur.

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- Protection of first-aiders : In event of emergency assess the danger before taking action. Do not put yourself at risk of injury. If in doubt, contact emergency responders. Use personal protective equipment as required.
- Notes to physician : Treat symptomatically. If swallowed a jelly mass may form which in digestion may cause blockage.
- Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

#### Section: 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : Do not use water unless flooding amounts are available.
- Specific hazards during firefighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus
- Special protective equipment for firefighters : Use personal protective equipment.
- Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

#### Section: 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Spills of this product are very slippery. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : No special environmental precautions required.
- Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.

#### Section: 7. HANDLING AND STORAGE

- Advice on safe handling : Stir well prior to use.
- Conditions for safe storage : Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers. Store separately from oxidizers.
- Suitable material : The following compatibility data is suggested based on similar product data and/or industry experience: Compatibility with Plastic Materials can vary; we therefore recommend that compatibility is tested prior to use.
- Unsuitable material : not determined

#### Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Components 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  
Hand protection : Wear protective gloves.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.  
Skin protection : Wear suitable protective clothing.  
Respiratory protection : No personal respiratory protective equipment normally required.  
Hygiene measures : Wash hands before breaks and immediately after handling the product.

The Personal Protective Equipment (PPE) recommendations provided above have been made in good faith based on typical expected conditions of use. PPE selection should always be completed in conjunction with a proper risk assessment and in accordance with a PPE management program.

## Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Granular  
Colour : off-white  
Odour : odourless  
Flash point : > 93.3 °C  
pH : 6 - 8,(0.5 %)  
Odour Threshold : no data available  
Melting point/freezing point : no data available  
Initial boiling point and boiling range : no data available  
Evaporation rate : no data available  
Flammability (solid, gas) : no data available  
Upper explosion limit : no data available  
Lower explosion limit : no data available  
Vapour pressure : no data available  
Relative vapour density : no data available  
Relative density : 1, (15.6 °C),  
Density : 8.31 lb/gal  
Water solubility : completely soluble  
Solubility in other solvents : no data available  
Partition coefficient: n-octanol/water : no data available

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Auto-ignition temperature	:	no data available
Thermal decomposition	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
Molecular weight	:	no data available
VOC	:	0 %, Calculation method

#### Section: 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
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	:	Addition of water results in gelling. Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors.
Hazardous decomposition products	:	Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NO <sub>x</sub> ) Sulphur oxides Oxides of phosphorus

#### Section: 11. TOXICOLOGICAL INFORMATION

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

##### Potential Health Effects

Eyes	:	Health injuries are not known or expected under normal use.
Skin	:	Health injuries are not known or expected under normal use.
Ingestion	:	If swallowed a jelly mass may form which in digestion may cause blockage.
Inhalation	:	Health injuries are not known or expected under normal use.
Chronic Exposure	:	Health injuries are not known or expected under normal use.

##### Experience with human exposure

Eye contact	:	No symptoms known or expected.
Skin contact	:	No symptoms known or expected.

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Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

### Toxicity

#### Product

Acute oral toxicity : no data available

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

### Toxicity

Environmental Effects : This product has no known ecotoxicological effects.

#### **Product**

Toxicity to fish : LC50 Zebra Danio: > 100 mg/l  
Exposure time: 96 hrs  
Test substance: Representative polymer tested in water with DOC

Toxicity to daphnia and other aquatic invertebrates : LC50 Daphnia magna (Water flea): > 100 mg/l  
Exposure time: 48 hrs  
Test substance: Representative polymer tested in water with DOC

EC50 Daphnia magna (Water flea): 43.3 mg/l  
Exposure time: 48 hrs  
Test substance: Similar product tested in clean water

NOEC Daphnia magna (Water flea): 31.3 mg/l  
Exposure time: 48 hrs  
Test substance: Similar product tested in clean water

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## Persistence and degradability

no data available

## Mobility

no data available

## Bioaccumulative potential

no data available

## Other information

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 re-use empty containers.

## 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)

Proper shipping name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

### Air transport (IATA)

Proper shipping name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

### Sea transport (IMDG/IMO)

Proper shipping name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

## Section: 15. REGULATORY INFORMATION

TSCA list : No substances are subject to a Significant New Use Rule.  
No substances are subject to TSCA 12(b) export notification requirements.

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

## CERCLA Reportable Quantity

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This product does not contain a RQ substance, or this product contains a substance with a RQ, however the calculated RQ exceeds the reasonably attainable upper limit.

### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

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

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**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 State of California to cause cancer, birth defects, or any other reproductive harm.

### **INTERNATIONAL CHEMICAL CONTROL LAWS :**

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

On or in compliance with the active portion of the TSCA inventory

#### **Taiwan Chemical Substance Inventory**

All substances in this product comply with the Taiwan Existing Chemical Substances Inventory (ECSI).

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

The substance(s) in this preparation are included in or exempted from the Domestic Substance List (DSL).

#### **Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)**

not determined

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

not determined

#### **Korea. Korean Existing Chemicals Inventory (KECI)**

not determined

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

not determined

#### **China Inventory of Existing Chemical Substances**

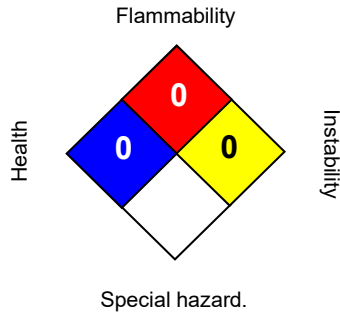
not determined

**Section: 16. OTHER INFORMATION**

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## NFPA:



## HMIS III:

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Revision Date : 03/26/2021  
Version Number : 0.0  
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. For additional copies of an SDS visit [www.nalco.com](http://www.nalco.com) and request access.



1 April 2021

**RE:** Similar Product Data for GR-602

To Whom it May Concern,

Aquatic toxicity data generated for the Nalco Water product, MIN #Y91H8 was bridged to GR-602 based on the close compositional similarities. Both products contain the primary ingredient at 88% mixed with water and a low percentage of acrylamide.

If you have questions or would like to discuss further, please contact your Nalco sales representative.

Sincerely,



**Magdalena Osorio, MS**

Regulatory Specialist  
Toxicology and Sustainability  
Regulatory Affairs – North America

