

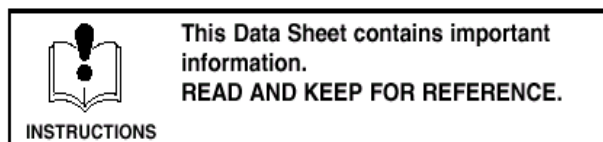
# Material Safety Data Sheet



**MSD119**

Rev. B

Updated: 4/12



## Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Airlessco Pump Conditioner

**Chemical Name:** Cleaning Compound

**Manufacturer / Supplier:**

Graco Inc.

P.O. Box 1441

60 11th Ave. NE

Minneapolis, MN 55440-1441

**Part Number(s):** 865712, 865713, 865714, 865715

**Use:** Cleaning agent

**Emergency Information:**

Health Emergency (RMPC): (303)- 623-5716

Chemical Spills (Chemtrec): (800)- 424-9300

## Section 2: Hazards identification

### Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

**Classification** T;R25

The full text for all R-phrases is displayed in section 16.

### Classification according to Regulation (EC) No 1272/2008 as amended

#### Health hazards

Acute toxicity, oral	Category 3	Toxic if swallowed.
Skin corrosion/irritation	Category 2	Causes skin irritation.
Serious eye damage/eye irritation	Category 1	Causes serious eye damage.

#### Hazard summary

<b>Physical hazards</b>	Not classified for physical hazards.
<b>Health hazards</b>	Toxic if swallowed.
<b>Environmental hazards</b>	Not classified for hazards to the environment.
<b>Specific hazards</b>	Methemoglobin former - can cause cyanosis. Toxic if swallowed.
<b>Main symptoms</b>	Irritation of eyes and mucous membranes. Irritation of nose and throat. Skin irritation. Wheezing. Shortness of breath. Cyanosis.

#### Label elements

##### Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** Disodium metasilicate, Sodium nitrite



<b>Signal word</b>	Danger
<b>Hazard statements</b>	Toxic if swallowed. Causes skin irritation. Causes serious eye damage.
<b>Precautionary statements</b>	
<b>Prevention</b>	Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/clothing and eye/face protection.
<b>Response</b>	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Supplemental label information</b>	None.
<b>Other hazards</b>	Not a PBT or vPvB substance or mixture.

### Section 3: Composition/information on ingredients

#### Mixture

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Sodium nitrite	5 - < 10	7632-00-0 231-555-9	-	007-010-00-4	
<b>Classification:</b>	<b>DSD:</b> O;R8, T;R25, N;R50				
	<b>CLP:</b> Ox. Sol. 3;H272, Acute Tox. 3;H301, Aquatic Acute 1;H400				
Disodium metasilicate	3 - < 5	6834-92-0 229-912-9	-	014-010-00-8	
<b>Classification:</b>	<b>DSD:</b> C;R34, Xi;R37				
	<b>CLP:</b> Skin Corr. 1B;H314, STOT SE 3;H335				

DSD: Directive 67/548/EEC.  
CLP: Regulation No. 1272/2008.

**Composition comments** The full text for all R- and H-phrases is displayed in section 16. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### Section 4: First aid measures

<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
<b>Description of first aid measures</b>	
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Immediately flush skin with plenty of water. Get medical attention if irritation develops or persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops or persists.
<b>Ingestion</b>	Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Do not induce vomiting without advice from poison control centre. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get immediate medical attention.
<b>Most important symptoms and effects, both acute and delayed</b>	Irritation of eyes and mucous membranes. Irritation of nose and throat. Skin irritation. Wheezing. Shortness of breath. Cyanosis.
<b>Indication of any immediate medical attention and special treatment needed</b>	Treat symptomatically. Symptoms may be delayed.

### Section 5: Firefighting measures

**General fire hazards** This product is not flammable.

## Extinguishing media

**Suitable extinguishing media** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media** None known.

**Special hazards arising from the substance or mixture** Nitrogen oxides. Silicon oxides. Phosphorus oxides.

## Advice for firefighters

**Special protective equipment for firefighters** Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special firefighting procedures** Move containers from fire area if you can do it without risk.

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Avoid inhalation of vapours and contact with skin and eyes. Use Personal Protective Equipment recommended in Section 8 of the SDS.

**For emergency responders** Wear appropriate personal protective equipment (See Section 8).

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major spillages.

**Methods and material for containment and cleaning up** Keep unnecessary personnel away.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

**Reference to other sections** For personal protection, see section 8. For waste disposal, see section 13.

## Section 7: Handling and storage

**Precautions for safe handling** Use only with adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes. Use Personal Protective Equipment recommended in section 8 of the SDS. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in a cool and well-ventilated place. Store away from incompatible materials.

**Specific end use(s)** Cleaning Agent.

## Section 8: Exposure controls/personal protection

### Control parameters

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

### DNEL

Components	Type	Route	Value	Form
Disodium metasilicate (6834-92-0)	Workers	Inhalation	6,22 mg/kg	Long term exposure systemic effects
		Dermal	1,49 mg/kg	Long term exposure systemic effects
Sodium nitrite (7632-00-0)	Workers	Inhalation	2 mg/m3	Long term exposure systemic effects
		Inhalation	2 mg/m3	Acute exposure systemic effect

### PNEC

Components	Type	Route	Value
Disodium metasilicate (6834-92-0)	Aqua (freshwater)	Not applicable	7,5 mg/l
	Aqua (intermittent releases)	Not applicable	7,5 mg/l
	Aqua (marine water)	Not applicable	1 mg/l

Components	Type	Route	Value
Sodium nitrite (7632-00-0)	Sewage Treatment Plant	Not applicable	1 mg/l
	Aqua (freshwater)	Not applicable	0,0054 mg/l
	Aqua (intermittent releases)	Not applicable	0,0054 mg/l
	Aqua (marine water)	Not applicable	0,0062 mg/l
	Sediment (freshwater)	Not applicable	0,0195 mg/kg
	Sediment (marine water)	Not applicable	0,0223 mg/kg
	Sewage Treatment Plant	Not applicable	21 mg/l
	Soil	Not applicable	0,0007 mg/kg

#### Exposure controls

**Appropriate engineering controls** Provide adequate ventilation.

#### Individual protection measures, such as personal protective equipment

**General information** Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection** Wear safety glasses with side shields.

**Skin protection**

- **Hand protection** Wear protective gloves. Suitable gloves can be recommended by the glove supplier.
- **Other** Wear suitable protective clothing.

**Respiratory protection** No protection is ordinarily required under normal conditions of use and with adequate ventilation.

**Thermal hazards** When material is heated, wear gloves to protect against thermal burns.

**Hygiene measures** Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices.

**Environmental exposure controls** Environmental manager must be informed of all major releases.

## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	Blue.
<b>Odour</b>	Slight.
<b>Odour threshold</b>	Not available.
<b>pH</b>	9 - 11
<b>Melting point/freezing point</b>	Not available.
<b>Boiling point, initial boiling point, and boiling range</b>	Not available.
<b>Flash point</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not available.
<b>Flammability limit - lower (%)</b>	Not applicable.
<b>Flammability limit - upper (%)</b>	Not applicable.
<b>Oxidising properties</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Explosive limit</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Vapour density</b>	Not available.
<b>Evaporation rate</b>	Not available.

Relative density	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Percent volatile	Not available.
Other information	No relevant additional information available.

## Section 10: Stability and reactivity

Reactivity	The product is non reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Not available.
Incompatible materials	Reducing Agents. Amines. Ammonia. Aluminium.
Hazardous decomposition products	Nitrogen oxides.

## Section 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
<b>Information on likely routes of exposure</b>	
Ingestion	Toxic if swallowed.
Inhalation	In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye damage.
Symptoms	Irritation of eyes and mucous membranes. Irritation of nose and throat. Skin irritation. Wheezing. Shortness of breath. Cyanosis.
<b>Information on toxicological effects</b>	
Acute toxicity	Toxic if swallowed. Methemoglobin former - can cause cyanosis.
Components	<b>Test results</b>
Sodium nitrite (7632-00-0)	Acute Inhalation LC50 Rat: 5,5 mg/l 4 Hours Acute Oral LD50 Rat: 158 mg/kg
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory sensitisation	None known.
Skin sensitisation	None known.
Germ cell mutagenicity	None known.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	None known.
Specific target organ toxicity - single exposure	None known.
Specific target organ toxicity - repeated exposure	None known.
Aspiration hazard	None known.
Mixture versus substance information	Not available.
Other information	Not available.

## Section 12: Ecological information

Toxicity	No toxicity data noted for the ingredient(s).
Persistence and degradability	No data available.
Bioaccumulative potential	Not available.
Mobility	Not available.

<b>Environmental fate - Partition coefficient</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Results of PBT and vPvB assessment</b>	Not a PBT or vPvB substance or mixture.
<b>Other adverse effects</b>	The product contains a substance which is very toxic to aquatic organisms.

### Section 13: Disposal considerations

#### Waste treatment methods

<b>Residual waste</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Since emptied containers retain product residue, follow label warnings even after container is emptied.
<b>EU waste code</b>	16 03 03*

### Section 14: Transport information

#### ADR

The product is not covered by international regulation on the transport of dangerous goods.

#### RID

The product is not covered by international regulation on the transport of dangerous goods.

#### ADN

The product is not covered by international regulation on the transport of dangerous goods.

#### IATA

The product is not covered by international regulation on the transport of dangerous goods.

#### IMDG

The product is not covered by international regulation on the transport of dangerous goods.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** No information available.

### Section 15: Regulatory information

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

##### EU regulations

**Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I**

Not listed.

**Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II**

Not listed.

**Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V**

Not listed.

**Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List**

Not listed.

##### Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.

##### National regulations

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. Follow national regulation for work with chemical agents.

##### Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## Section 16: Other information

### List of abbreviations

DNEL: Derived No-Effect Level.  
PNEC: Predicted No-Effect Concentration. PBT:  
Persistent, bioaccumulative and toxic. vPvB:  
Very Persistent and very Bioaccumulative.

### References

ECHA CHEM

### Information on evaluation method leading to the classification of mixture

The mixture is classified based on test data for physical hazards. The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. For details, refer to Sections 9, 11 and 12.

### Full text of any statements or R-phrases and H-phrases under Sections 2 to 15

R8 Contact with combustible material may cause fire.  
R25 Toxic if swallowed.  
R34 Causes burns.  
R37 Irritating to respiratory system.  
R50 Very toxic to aquatic organisms.  
H272 - May intensify fire; oxidiser.  
H301 - Toxic if swallowed.  
H314 - Causes severe skin burns and eye damage.  
H335 - May cause respiratory irritation.  
H400 - Very toxic to aquatic life.

### Training information

Follow training instructions when handling this material.

<b>Prepared By</b>	Graco, Inc.
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This Material Safety Data Sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we have received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this Data Sheet may not be adequate for all individuals and/or situations. It is the users' obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

**NOTES:** NA = Not Applicable; NE = Not Established; UN = Unavailable

*All written and visual data contained in this document reflects the latest product information available at the time of publication.*

*Graco reserves the right to make changes at any time without notice.*

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