


Material Safety Data Sheet



Rev. B
Updated: 3/29/10

 <p>INSTRUCTIONS</p>	<p>This Data Sheet contains important information. READ AND KEEP FOR REFERENCE.</p>
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1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: EC-120/EC-100 with Citric acid	Emergency Information:
Manufacturer / Supplier: Graco Inc. P.O. Box 1441 60 11th Ave. NE Minneapolis, MN 55440-1441	Health Emergency (RMPC): (303)- 623-5716 Chemical Spills (Chemtrec): (800)- 424-9300
Use: LUBRICANT DONATOR FOR SINGLE POINT LUBRICATORS	

2.0 COMPOSITION / INFORMATION ON INGREDIENTS

Substance	EINECS/ELINCS	CAS	Range [%]	Symbol / R-phr.
Citric acid	201-069-1	77-92-9	1-<20	Xi 36
Ethylene glycol	203-473-3	107-21-1	25-<40	Xn 22
N-(2-hydroxyethyl)-ethylene diaminetriacetic Acid, trisodium salt	205-381-9	139-89-9	1-<20	Xi 36

The contained dangerous contents materials are not freely available with foreseeable use.

3.0 HAZARDS IDENTIFICATION

The structural design of the housing prevents release of the hazardous media contained therein when the unit is used for its intended purpose.

4.0 FIRST AID MEASURES

General Information	N/A
Inhalation	N/A
Skin contact	In case of contact with skin wash off immediately with soap and water.
Eye contact	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion	N/A
Advice to doctor	Treat symptomatically.

5.0 FIREFIGHTING MEASURES

Suitable Extinguishing media	Water spray jet. Dry powder. Carbon dioxide. Foam.
Extinguishing media that must not be used	Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products	Risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters	Use self-contained breathing apparatus.
Additional information	Cool containers at risk with water spray jet.

6.0 ACCIDENTAL RELEASE MEASURES

Personal precautions	N/A
Environmental Impact	N/A
Methods for cleaning up/taking up	Take up mechanically. Dispose of absorbed material in accordance with the regulations.

7.0 HANDLING AND STORAGE

Advice on safe handling	No special measures necessary if used correctly.
Advice on protection against fire and explosion	No special measures necessary.
Requirements for storage rooms and vessels	No special measures required.
Advice on storage compatibility	N/A
Further information on storage conditions	Keep container tightly closed.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients with occupational exposure limits to be monitored:		
Substance	LTEL[mg/m³]	STEL[mg/m³]
Ethylene glycol	52	104 (Vapor, New IOELV, Sk,14/3,88)

LTEL: Long-term exposure limit, STEL: Short-term exposure limit.

Respiratory Protection	N/A
Hand protection	Suitable protective gloves: Butyl rubber, >120 min (EN 374)
Eye protection	N/A
Skin protection	N/A
General protective measures	Avoid contact with eyes.
Hygiene measures	Wash hands before breaks and after work.
Delimitation and monitoring of the environmental exposition	N/E

9.0 CHEMICAL AND PHYSICAL PROPERTIES

Form	Capsule
Color	
Odor	
PH-value	N/A
Boiling point (°C)	N/A
Flash point (°C)	N/A
Flammability	N/A
Lower explosion limit	N/A
Upper explosion limit	N/A
Combustible properties	No
Vapor pressure (kPa)	N/E
Density (g/ml)	N/E
Bulk density (kg/m3)	
Solubility in water	N/A
Partition coefficient n-octanol/water	N/E
Viscosity	N/A
Relative vapor density determined in air	N/A
Evaporation speed	N/A
Melting point (°C)	N/A
Autoignition temperature	N/A
Decomposition temperature	N/A

10.0 STABILITY AND REACTIVITY

Hazardous reactions	No hazardous reactions known
Hazardous decomposition products	No hazardous decomposition products known.

11.0 TOXICOLOGICAL INFORMATION

Acute oral toxicity OECD 401	LD50 Rat: LD50 Mouse:
Acute dermal toxicity OECD 402	LD50 Rabbit:
Acute inhalation toxicity OECD 403	LD50 Guinea pig:
Irritant effect on eye OECD 405	N/A
Irritant effect on skin OECD 404	N/A
Sensitization OECD 406	N/A
Sub acute toxicity	N/A
Chronic toxicity	N/A
Mutagenicity	N/A
Reproduction toxicity	N/A
Carcinogenicity / Validation	N/A
Experiences made in practice	None
General remarks	No toxicological data are available. The product was classified on the basis of the calculation procedure of the preparation directive.

12.0 ECOLOGICAL INFORMATION

Fish toxicity	N/A
Behaviour in environment compartments	N/A
Behavior in sewage plant	N/A
Bacteria toxicity	N/A
Biological degradability	N/A
Chemical oxygen demand (COD)	
Biochemical oxygen demand (BOD5)	
AOX-advice	N/A
Contains compounds of 76/464/ec	N/A
General information	Ecological data are not available.

13.0 DISPOSAL INFORMATION

Disposal/Product	Dispose of as hazardous waste.
Waste no. (recommended)	150110*
Disposal/Contaminated packaging	Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of as for product.

14.0 TRANSPORTATION INFORMATION

Classification according to ADR	
ADR-Class	Not classified as Dangerous Goods
Declaration	
Labeling	
Factor, ADR 1.1.3.6	
Hazard-no	
Label	
LQ, ADR 3.4.6	
Vapor pressure [kPa]	
Classification according to IMDG	
MDG-Code-Class	Not classified as Dangerous Goods
Declaration	
Labeling	
EmS	
Label	
LQ, [l/kg]	
Classification according to IATA	
IATA-DGR-Class	Not classified as Dangerous Goods
Declaration	
Labeling	
Label	

15.0 REGULATORY INFORMATION

Labeling

This preparation is a product and therefore it does not require labeling according to EC directives/GefStoffV.

Hazard symbols

Regulations

* 91/155 (2001/58)

* 67/548 (2001/59)

* 1999/45 (2001/60)

* 91/689 (2001/118)

* 89/542

* ADR (2003)

* IMDG-Code (31.Amdt.)

* IATA-DGR (2003)

The structural design of the housing prevents release of the hazardous media contained therein when the unit is used for its intended purpose.

16.0 OTHER INFORMATION

R phrases(Information on ingredients - 02)

R 22: Harmful if swallowed.

R 36: Irritating to eyes.

Prepared By

Graco, Inc.

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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