

MATERIAL SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

- Product identifier
- Trade name : CALFLEX-G
- Relevant identified uses of the substance or mixture and uses advised against :
- Sector of use : Filler

- Details of the supplier of safety data sheet
- Manufacturer/Supplier : NEWLIME CO.,LTD
- Name : MR. YASUHIDE YOSHIDA
- Full address : 11-26,SHITE,TSUKUMI CITY,OITA PREF,879-2457 JAPAN
- Phone number : +81-972-81-1273
- FAX : +81-972-82-3164
- Further information obtainable from : NEWLIME CO.,LTD
- Emergency telephone number : +81-972-81-1273
- Email : yoshida@newlime.jp
- Reference Number : 71

2. Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No.1272/2008
The product is not classified according to the CLP regulation.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not Applicable
- Information concerning particular hazards for human and environment:
The product is not classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No.1272/2008.
- Classification system:
The classification is according to the latest edition of the Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No.1272/2008, and extended by company and literature data.

- Label elements
- Labeling according to Regulation (EC) No.1272/2008 Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- Other hazards
- Results of PBT and vPvB assessment
- PBT : Not applicable.
- vPvB : Not applicable.

3. Composition/information on ingredients

- **Chemical characterization :** Mixtures
- **Description :**
Mixture of the substances listed below with nonhazardous additions.
For the wording of listed risk phrases refer to section 16.
- **Dangerous components :** Void

• Non-dangerous components :				
CAS	471-34-1	calcium carbonate	substance with a Community	95-97%
EINECS	207-439-9		workplace exposure limit	
		RCOONa		3-5%

- **Remark :**
calcium carbonate (CAS No.: 471-34-1)
Synonym : CaCO₃

RCOONa
Note : For confidentiality of formula, some information of components is not listed in the above table.
Any require, please contact manufacturer/supplier.

4. First aid measures

- **Description of first aid measures**
- **General information :** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor**
- **Most important symptoms and effects,both acute and delayed:**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5. Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6. Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:**
 - Do not allow product to reach sewage system or any water source.
 - Inform respective authorities in case of seepage into water course or sewage system.
 - Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections:**
 - No dangerous substances are released.
 - 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

- **Handling**
- **Precautions for safe handling:** No special measures required.
- **Information about fire – and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific and use(s):** No further relevant information available.

8. Exposure controls/ personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:**

471-34-1 calcium carbonate

PEL(USA)	15*5** mg/m ³
	*total dust **respirable fraction
REL(USA)	10*5** mg/m ³
	*total dust **respirable fraction
TLV(USA)	TLV withdrawn

- **DNELs:** Not available.
- **PNECs:** Not available.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Based on the composition shown in Section 3, the following are suggested for occupational safety measure**
- **Personal protective equipment**
- **General protective and hygienic measures:**
 - The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.

- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation
Due to missing tests no recommendation to the glove material can be given for the product/
the preparation/ the chemical mixture

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application

- Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

- Eye protection: Not required

9. Physical and chemical properties

<ul style="list-style-type: none"> Information on basic physical and chemical properties 	
<ul style="list-style-type: none"> General information 	
<ul style="list-style-type: none"> Appearance 	
Form:	Powder
Colour:	White
Odour:	Odourless
Odour threshold:	Not available
pH-value:	9.5
<ul style="list-style-type: none"> Change in condition 	
Melting point/Melting range:	1339°C
Boiling point/Boiling range:	Not available
Freezing point:	Not available
Flash point:	Not available
Flammability(solid,gaseous):	Not available
Ignition temperature:	Not available
Decomposition temperature:	Not available
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
<ul style="list-style-type: none"> Explosion limits 	
Lower:	Not available
Upper:	Not available
Oxidizing properties:	Not available
Vapour pressure:	Not available
Density:	2.7g/cm ³
Relative density:	Not available
Vapour density:	Not available
Evaporation rate:	Not available
<ul style="list-style-type: none"> Solubility in/ Miscibility with water: 0.001% 	
<ul style="list-style-type: none"> Segregation coefficient(n-octanol/water): Not available 	
<ul style="list-style-type: none"> Viscosity 	
Dynamic:	Not available
Kinematic:	Not available
Other information:	No further relevant information available.

10. Stability and reactivity

- **Reactivity:** Data not available
- **Chemical stability:** Data not available
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11. Toxicological information

- **Information on toxicological effects**

- **Acute toxicity**

• LD/LC50 values relevant for classification:		
471-34-1 calcium carbonate		
Oral	LD50	6450 mg/kg (rat)

- **Primary irritant effect**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effects known
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **Toxicokinetics, metabolism and distribution:** No further relevant information available.
- **Acute effects(acute toxicity,irritation and corrosivity):** No further relevant information available.
- **GMR effects(carcinogenicity, mutagenicity and toxicity for reproduction):** Not available.

12. Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available
- **Persistence and degradability:** No further relevant information available
- **Bioaccumulative potential:** No further relevant information available

- **Behaviour in environmental systems:** No further relevant information available
- **Bioaccumulative potential:** No further relevant information available
- **Mobility in soil:** No further relevant information available

- **Additional ecological information**
- **General notes:**
Water hazard class 1(German Regulation)(Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water,water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **Other adverse effects:** No further relevant information available.

13. Disposal considerations

- Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste.
- Uncleaned packaging
- Recommendation: Disposal must be made according to official regulations.

14. Transport information

• UN-Number	
• ADR,IMDG,IATA	Not applicable
• UN proper shipping name	
• ADR,IMDG,IATA	Not applicable
• Transport hazard class(es)	
• ADR,IMDG,IATA	
• Class	Not applicable
• Label	Not applicable
• Packing group	
• ADR,IMDG,IATA	Not applicable
• Environmental hazards:	
• Marine pollutant:	No
• Special precautions for user:	Not applicable
• Danger code(Kemler):	Not applicable
• Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable

15. Regulatory information

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

• Section 335(extremely hazardous substances):
None of the ingredients is listed.

• Section 313(specific toxic chemical listings):
None of the ingredients is listed.

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

- Proposition 65

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

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

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

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

- **Carcinogenicity categories**

<ul style="list-style-type: none"> • EPA(Environmental Protection Agency) None of the ingredients is listed.

<ul style="list-style-type: none"> • IARC (International Agency for Research on Cancer) None of the ingredients is listed.
--

<ul style="list-style-type: none"> • NTP(National toxicology Program) None of the ingredients is listed.

<ul style="list-style-type: none"> • TLV(Threshold Limit Value established by ACGIH) Composition 2; A4

<ul style="list-style-type: none"> • MAK(German Maximum Workplace Concentration) None of the ingredients is listed

<ul style="list-style-type: none"> • NIOSH-Ca(National Institution for Occupational Safety & Health) None of the ingredients is listed.
--

<ul style="list-style-type: none"> • OSHA-Ca(Occupational Safety & Health Administration) None of the ingredients is listed.

- **National regulations**

- **Other regulations, limitations and prohibitive regulations**

- **SVHC Candidate List of REACH Regulation Annex XIV Authorisation(20/06/2011)**

None of the ingredients is listed.

- **REACH Regulation Annex XVII Restriction (21/15/2011)** None of the ingredients is listed.

- **REACH Regulation Annex XIV Authorization List(18/2/2011)**

None of the ingredients is listed.

- **REACH Regulation Annex XIV Authorization Recommendation List 00-1**

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

16. Other information

The contents and format of this MSDS/SDS are in according with REGULATION(EC)No.1272/2008, (EC)No.1907/2006,REGULATION(EU)No.453/2010 and EU Commission Directive 1999/45/EC, 67/548/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in anyway connected with the handling, storage, use or disposal of product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

• **Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
MAL Code: Måle teknisk Arbejds hygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

End of Document