



Novagranit Gel safety data sheet

SECTION 1. Identification of the substance or mixture and of the company or company

1.1. Product Identifier	
Code:	NOVAGRANIT GEL
Denomination	NOVAGRANIT GEL

1.2. Relevant identified uses of the substance or mixture and uses advised against	
Description / Use:	LUCIDING AGENT

Identified Uses	Industrial	Profesional	Consumers
PROFESSIONAL USE	-		-
INDUSTRIAL		-	-

1.3. Details of the supplier of the safety data sheet	
Business name:	BONASTRE SYSTEM S.L.
Address:	AVDA. BAGÀ 1
Location and State:	08272 SANT FRUITOS DE BAGES (BARCELONA)
	SPAIN
	Tel. +34 937 724 400
electronic address of the competent person, responsible for the safety data sheet	INFO@BONASTRE-SYSTEM.COM

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as dangerous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent modifications and adaptations). Therefore, the product requires a safety data sheet in accordance with the provisions of Regulation (EU) 2015/830. Any additional information on the risks to health and / or the environment are available in sections 11 and 12 of this sheet.

Hazard classification and indication::

Specific target organ toxicity - repeated exposures, category 2	H373	May cause damage to organs through prolonged or repeated exposure.
Eye irritation, category 2	H319	Causes serious eye irritation.

2.2. Label elements

Hazard labels in accordance with Regulation (EC) 1272/2008 (CLP) and subsequent modifications and adaptations.

Hazard pictograms:						
						

Warning words:	Attention / corrosive
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Hazard Indications:

H373	May cause damage to organs through prolonged or repeated exposure.
H319	Causes serious eye irritation.

Precautionary statements::

P280	Wear goggles / protective mask.
P337+P313	If eye irritation persists: Consult a doctor.
It contains:	QUARTZ

2.3. Other dangers

Based on the available data, the product does not contain PBT or vPvB substances in a percentage greater than 0.1%.

SECTION 3. Composition / information on components

3.2. Mixes

It contains::

ID	x = Conc. %	Clasificación 1272/2008 (CLP)	
CUARZO			
CAS 14808-60-7	$3 \leq x < 13,5$	STOT RE 2 H373	
CE 238-878-4			
INDEX -			
Nº Reg. 02-2120115964-54-0000			
OXALIC ACID			
CAS 144-62-7	$0,5 \leq x < 2,5$	Acute Tox. 4 H302, Acute Tox. 4 H312, Eye Dam. 1 H318	
CE 205-634-3			
INDEX 607-006-00-8			
Nº Reg. 02-2120115966-50-0000			

The full text of the hazard statements (H) can be found in section 16 of the sheet.

SECTION 4. First aid

4.1. Description of first aid

EYES: Remove any contact lenses. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids well. If the problem persists, consult a doctor.

SKIN: Take off contaminated clothing. Wash immediately with plenty of water. If irritation persists, consult a doctor. Wash the clothing before reuse.

INHALATION: Move the subject outdoors. If breathing is difficult, call a doctor immediately.

INGESTION: Consult a doctor immediately. Induce vomiting only on the advice of the doctor. Do not administer anything orally if the subject is unconscious and without the authorization of the doctor.

4.2. Main symptoms and effects, both acute and delayed

There is no specific information on symptoms and effects caused by the product.

4.3. Indication of all medical attention and special treatments to be given immediately

Information not available.

SECTION 5. Fire fighting measures

5.1. Extinguishing media

IDENTIFIC EXTINGUISHING MEDIA

Extinguishing media are the traditional ones: carbon dioxide, foam, powders and water mist.

MEANS OF EXTINCTION NOT SUITABLE

None in particular.

5.2. Special hazards arising from the substance or mixture

DANGERS DUE TO EXPOSURE IN CASE OF FIRE

Avoid breathing combustion products.

5.3. Recommendations for firefighters

GENERAL INFORMATION

Cool the containers with water jets to avoid the decomposition of the product and the formation of substances potentially dangerous to health. Always wear full fire protection equipment. Collect the water used for extinction, which should not be discharged into sewers. Dispose of contaminated water used for extinguishing and fire residues following current regulations.

EQUIPMENT

Normal elements for fire fighting, such as an autonomous compressed air respirator with open circuit (EN 137), fire retardant suit (EN469), fire retardant gloves (EN 659) and fire boots (HO A29 or A30).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the loss, if there is no danger.

Use appropriate protective devices (including personal protective equipment indicated in section 8 of the safety data sheet), to prevent contamination of the skin, eyes and personal clothing. These indications are valid both for processors and for emergency interventions.

6.2. Environmental precautions

Prevent the product from reaching sewage, surface water and groundwater.

6.3. Methods and material for containment and cleaning

Vacuum spilled product in a suitable container. Evaluate the compatibility of the product with the container to be used, referring to section 10. Absorb the remaining product with inert absorbent material.

Proceed with sufficient ventilation of the place affected by the loss. Disposal of contaminated material must be carried out according to the provisions of point 13.

6.4. Reference to other sections

Any information on individual protection and disposal is available in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handle the product after consulting all other sections of this safety data sheet. Avoid dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective devices before accessing the area intended for eating.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product only in the original container. Keep the containers closed, in a well ventilated place, protected from the direct action of the sun's rays. Keep containers away from any incompatible materials, checking section 10.

7.3. Specific end uses

Information not available.

SECTION 8. Exposure controls / personal protection

8.1. Control parameters

Normative references:

DEU	Deutschland	TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
DNK	Danmark	Graensevaerdier per stoffer og materialer
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18
POL	Polska	ROZPORZĄDZENIE MINISTRA RODZIN Y, PRAC Y I POLITYKI SPOŁECZNEJ z dnia 12 czerwca 2018 r
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diário da Republica I 26; 2012-02-06
ROU	România	Monitorul Oficial al României 44; 2012-01-19
EU	OEL EU	Directiva (UE) 2017/2398; Directiva (UE) 2017/164; Directiva 2009/161/UE; Directiva 2006/15/CE; Directiva 2004/37/CE; Directiva 2000/39/CE; Directiva 91/322/CEE.
	TLV-ACGIH	ACGIH 2018

QUARTZ

Threshold limit value

Tipo	Estado	TWA/ 8h mg/m3	ppm	STEL/ 15min mg/m3	ppm		
MAK	DEU	0,15					
VLA	ESP	0,05					
VLEP	FRA	0,1				RESPI R	
WEL	GBR	0,3					
OEL	NLD	0,075				RESPI R	
NDS	POL	0,1				RESPI R	
NDS	POL	0,1				INHAL	
TLV-ACGIH		0,025					

OXALIC ACID

Threshold limit value

Type	Estado	TWA/8h	STEL/ 15min				
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		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	1		1		INHAL		
AGW	DEU	1		1		PIEL		
TLV	DNK	1						
VLA	ESP	1						
VLEP	FRA	1						
WEL	GBR	1		2				
VLEP	ITA	1						
OEL	NLD	1						
NDS	POL	1		2				
VLE	PRT	1						
TLV	ROU	1						
OEL	EU	1						
TLV-ACGIH		1		2				
Expected concentration without effects on the environment - PNEC								
Reference value in fresh water	0,1622	mg/l						
Reference value in seawater	0,01622	mg/l						
Reference value for water, intermittent release	1,622	mg/l						
Reference value for STP microorganisms	1550	mg/l						
Health - Level without derivative effect - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Sharp premises	Acute system	Chronic premises	Sistema crónico	Sharp premises	Acute system	Chronic premises	Chronic system
Oral			VND	1,14 mg/kg bw/d				
Inhalation							VND	4,03 mg/m3
Dermal	0,35 mg/cm2	VND	VND	1,14 mg/kg bw/d	0,69 mg/cm2	VND	VND	2,29 mg/kg bw/d

Legend:

(C) = CEILING; INHAL = Inhalable fraction; RESPIR = Breathable fraction; TORAC = Thoracic fraction.

VND = identified hazard but no DNEL / PNEC available; NEA = no planned exposure; NPI = no danger identified.

8.2. Exposure Controls

Whereas the use of appropriate technical measures should take priority over personal protective equipment, ensure good ventilation in the workplace through effective local aspiration.

During the choice of personal protective equipment ask for advice from chemical suppliers.

Individual protection devices must comply with current regulations and must bear the CE marking.

Provide a system for eye washing and an emergency shower.

It is necessary to keep exposure levels as low as possible to avoid accumulation in the body. Manage personal protective equipment so that maximum protection is guaranteed (eg reduction of replacement time).

HAND PROTECTION

Protect hands with category III work gloves (ref. Standard EN 374).

For the final choice of the material of the work gloves should be considered: compatibility, degradation, break time and permeability.

In the case of preparations for the resistance of work gloves, it must be verified before use as it is not foreseeable. The gloves have a time of use that depends on the duration of the exposure.

SKIN CARE

Wear workwear with long sleeves and protective footwear for professional use of category II (ref. Directive 89/686 / EEC and EN ISO 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight goggles (ref. Standard EN 166).

RESPIRATORY PROTECTION

In case of exceeding the threshold value (eg TLV-TWA) of one or more substances present in the preparation, use a mask with filter type A. Choose the class of the same (1, 2 or 3) according to the limit concentration of use. (ref. standard EN 14387). In the presence of gases or vapors of a different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.) it is necessary to provide filters of a combined type.

The use of respiratory protection means is necessary in the absence of technical measures to limit worker exposure. The protection offered by the masks is, in any case, limited.

In case the substance considered odorless or its olfactory threshold is higher than the corresponding TLV-TWA and in case of emergency, use an open circuit compressed air self-ventilator (ref. Standard EN 137) or an air intake respirator exterior (ref. standard EN 138). To choose an ideal protection for the respiratory tract, refer to EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from production processes, including those from ventilation devices, should be controlled to ensure respect for environmental protection regulations.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	pasty liquid	
Color	yellowish	
Olor	mild	
Olfactory threshold	Not available	
pH	2,45	
Melting point / freezing point	Not available	
Initial boiling point	Not available	
Boiling range	Not available	
Flashpoint	> 60 °C	

Evaporation rate	Not available	
Flammability (solid, gas)	Not available	
Lower flammability limits	Not available	
Upper flammability limits	Not available	
Lower Explosive Limits	Not available	
Upper explosive limits	Not available	
Vapor pressure	Not available	
Vapor density	Not available	
Relative density	1,10	
Solubility	soluble in water	
Partition coefficient n-octanol / water	Not available	
Auto-ignition temperature	Not available	
Decomposition temperature	Not available	
Viscosity	Not available	
Explosive properties	not applicable	
Oxidizing properties	not applicable	

9.2. Other data

VOC (Directiva 2010/75/CE) :	0	
VOC (volatile carbon):	0	

SECTION 10. Stability and reactivity

10.1. Reactivity

Under normal conditions of use, there are no particular hazards of reaction with other substances.

OXALIC ACID

It decomposes at temperatures above 157 ° C / 315 ° F.

Saturated aqueous solutions (15%) behave as medium / strong acids.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Under normal conditions of use and storage, hazardous reactions are not anticipated.

OXALIC ACID

May form explosive mixtures with: oxidizing substances. Reacts violently by releasing heat in contact with: alkali metals, ammonia, mercury, furfuryl alcohol, chlorates, hypochlorites. Risk of explosion by contact with: sodium chlorite, silver.

10.4 Conditions to avoid

None in particular. In any case, follow the usual precautions for chemicals.

10.5. Incompatible materials

OXALIC ACID

Incompatible with: strong oxidants, metals, alkali metals, furfuryl acid, chlorine compounds.

10.6. Hazardous Decomposition Products

OXALIC ACID

May release: carbon oxides.

SECTION 11. Toxicological information

In the absence of experimental toxicological data on the product, any potential health hazards have been evaluated based on the properties of the substances contained, according to the criteria provided by the reference regulations for their classification. Therefore, the concentration of each hazardous substance possibly cited in sect. 3, to evaluate the toxicological effects derived from exposure to the product.

11.1. Information on toxicological effects

Metabolism, kinetics, mechanism of action and other information

Information not available.

Information on possible routes of exposure

Information not available.

Delayed and immediate effects, as well as chronic effects produced by short and long term exposure

Information not available.

Interactive effects

Information not available.

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

Not classified (no relevant component)

LD50 (Oral) of the mixture:

> 2000 mg / kg LD50 (Cutánea) de la mezcla:

>2000 mg/kg

OXALIC ACID

LD50 (Oral) 375 mg / kg Rat

LD50 (Cutaneous) 20000 mg / kg coniglio bw (non tossico)

CORROSION OR SKIN IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE INJURY OR EYE IRRITATION

Causes serious eye irritation

RESPIRATORY OR CUTANEOUS SENSITIZATION

Does not meet the classification criteria for this hazard class

MUTAGENICITY IN GERMINAL CELLS

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

TOXICITY FOR REPRODUCTION

Does not meet the classification criteria for this hazard class

SPECIFIC TOXICITY IN CERTAIN ORGANS (STOT) - SINGLE EXHIBITION

Does not meet the classification criteria for this hazard class

SPECIFIC TOXICITY IN CERTAIN ORGANS (STOT) - REPEATED EXPOSURE

May cause damage to organs.

DANGER BY SUCTION

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use according to good work practices, avoiding the dispersion of the product in the environment. Warn the competent authorities if the product has come into contact with water courses or if it has contaminated the soil or vegetation.

12.1. Toxicity

OXALIC ACID		
LC50 - Fish		940 mg/l/96h barbus aurilius mortalità OECD 203
EC50 - Crustaceans		136,9 mg/l/48h daphnia magna mobilità EPA 660/3-75-009

12.2. Persistence and degradability

OXALIC ACID		
Water solubility		> 10000 mg/l

Quickly degradable

12.3. Bioaccumulative potential

OXALIC ACID		
Distribution coefficient: n-octanol / water		-1,7

12.4. Mobility in the ground

Information not available.

12.5. Results of PBT and vPvB assessment

Based on the available data, the product does not contain PBT or vPvB substances in a percentage greater than 0.1%.

12.6. Other adverse effects

Information not available.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse if possible. Product waste must be considered especially dangerous. The danger of the waste that this product contains in part must be assessed in accordance with current legislation.

Disposal must be entrusted to an authorized company for waste management, as provided by national and possibly local regulations.

POLLUTED PACKAGING

Contaminated packaging should be sent for recovery or disposal according to national waste management standards.

SECTION 14. Transport information

The product must not be considered dangerous according to the regulations in force regarding the transport of dangerous goods by road (A.D.R.), rail (RID), sea (IMDG Code) and air (IATA).

14.1. UN number

Not applicable

14.2. United Nations official designation of transport

Not applicable

14.3. Hazard class (s) for transport

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for users

Not applicable

14.7. Transport in bulk according to Annex II of the MARPOL Convention and the IBC Code

Information not relevant.

SECTION 15. Regulatory information

15.1. Safety and health and environmental regulations and legislation specific to the substance or mixture

Categoría
Seveso - Directivo
2012/18/CE: Ninguna

Restrictions related to the product or substances contained according to Annex XVII Regulation (EC) 1907/2006

Product

Punto	3	
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Substances in Candidate List (Art. 59 REACH)

Based on the available data, the product does not contain SVHC substances in a percentage greater than 0.1%.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification obligation Reg. (EC) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary controls

Workers exposed to this chemical agent should not be subjected to sanitary surveillance, provided that the results of the risk assessment show that there is only a moderate risk to the safety and health of workers and that the measures provided by the Directive 98/24 / EC are being respected and are sufficient to reduce the risk.

15.2. Chemical Safety Assessment

A chemical safety assessment has not been prepared for the mixture and the substances contained therein.

SECTION 16. Other information

Text of the hazard statements (H) cited in sections 2-3 of the sheet:

Acute Tox. 4	Acute toxicity, category 4	
STOT RE 2	Specific target organ toxicity - repeated exposures, category 2	
Eye Dam. 1	Serious eye damage, category 1	
Eye Irrit. 2	Eye irritation, category 2	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	

LEGEND:

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Chemical Abstract Service Number
- EC50: Concentration that has an effect on 50% of the population tested
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: Regulation EC 1272/2008
- DNEL: Derived level without effect
- EmS: Emergency Schedule
- GHS: Global Harmonized System for Classification and Labeling of Chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the population tested
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Foreseeable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predictable concentration without effects
- REACH: Regulation EC 1907/2006
- RID: Regulations for the international transport of dangerous goods by rail
- TLV: Threshold Limit Value
- TLV MAXIMUM VALUE: Concentration that must not be exceeded at any time during the work exposure.
- TWA STEL: Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile Organic Compound
- vPvB: Very persistent and very bioaccumulative according to REACH
- WGK: Wassergefährdungsklassen (Deutschland).

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)

4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
 6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
 7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
 8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
 9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
 10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
 11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - NEITHER. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA Agency website
 - Database of SDS models of chemical substances - Ministry of Health and Higher Institute of Health

User Note:

The information contained in this sheet is based on the knowledge available to date of the latest version. The user must ascertain the suitability and completeness of the information regarding the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Given that the use of the product cannot be directly controlled by us, it will be the user's obligation to respect, under their responsibility, the laws and regulations in force regarding hygiene and safety. No responsibilities are assumed for improper use.

Provide adequate training to personnel responsible for the use of chemical products.

Modifications with respect to the previous revision:

Variations have been made in the following sections:

01.