

Version	Revision Date:	SDS Number:	Date of last issue: 17.03.2025
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	:	NovaTec® Solub BS Calcium 21-0-0
Unique Formula Identifier (UFI)	:	00R5-D0MA-S005-3WCD

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-	:	Fertiliser
stance/Mixture		

1.3 Details of the supplier of the safety data sheet

Company	:	COMPO EXPERT GmbH Krögerweg 10 D-48155 Münster
Telephone	:	+49 (0) 251 29 79 81 – 000
Telefax	:	+49 (0) 251 29 79 81 - 111
E-mail address of person responsible for the SDS	:	info@compo-expert.com

1.4 Emergency telephone number

GBK GmbH - Global Regulatory Compliance - 24h Telephone:+49 (0) 6132 - 84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No	o 1272/2008)
Acute toxicity, Category 4	H302: Harmful if swallowed.

Serious eye damage, Category 1

H318: Causes serious eye damage.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) Hazard pictograms



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Signa	ll word	:	Danger	
Haza	rd statements	:	H302 H318	Harmful if swallowed. Causes serious eye damage.
Preca	autionary statements	:	Prevention P264 P270 P280	: Wash skin thoroughly after handling. Do not eat, drink or smoke when using this prod- uct. Wear eye protection/ face protection.
			Response: P301 + P31 P305 + P35	2 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. 1 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rins- ing. Immediately call a POISON CENTER/ doctor.
			Disposal: P501	Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

nitric acid, ammonium calcium salt

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature	: Inorganic fertiliser
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Components

Registration number		CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
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nitric	acid, ammonium calci	ium salt	15245-12-2 239-289-5 01-2119493947	Acute Tox. 4; H302 >= 70 - < 90 Eye Dam. 1; H318
			XXXX	Acute toxicity esti- mate
				Acute oral toxicity: 300,03 mg/kg

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection and use the recommended protective clothing If potential for exposure exists refer to Section 8 for specific personal protective equipment.
If inhaled	:	If breathed in, move person into fresh air. If symptoms persist, call a physician.
In case of skin contact	:	Wash off immediately with plenty of water. Take off all contaminated clothing immediately. If symptoms persist, call a physician.
In case of eye contact	:	Small amounts splashed into eyes can cause irreversible tis- sue damage and blindness. Remove contact lenses. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep eye wide open while rinsing. Protect unharmed eye. Continue rinsing eyes during transport to hospital. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
4.2 Most important symptoms a	nd e	effects, both acute and delayed

Symptoms	:	Ingestion may provoke the following symptoms:
		Methaemoglobinemia



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Risks	3	:	Harmful if swallov Causes serious e	
	-	meo		d special treatment needed
Treat	ment	•	Treat symptomat	ically.
SECTION	N 5: Firefighting meas	sur	es	
5.1 Exting	guishing media			
Suita	ble extinguishing media	:		g measures that are appropriate to local cir- the surrounding environment.
Unsu media	itable extinguishing a	:	High volume wat Carbon dioxide ((Foam Sand	
5.2 Specia	al hazards arising from	the	substance or mi	xture
Spec fightir	ific hazards during fire- ng	:	and vapours.	osition can lead to release of irritating gases off from fire fighting to enter drains or water
Haza ucts	rdous combustion prod-	:	Nitrogen oxides (NOx) Carbon oxides	
5.3 Advic	e for firefighters			
	ial protective equipment efighters	:	Wear self-contair essary.	ned breathing apparatus for firefighting if nec
Furth	er information	:	Collect contaminated fire extinguishing water separately. T must not be discharged into drains. Fire residues and contaminated fire extinguishing water mu be disposed of in accordance with local regulations. The product itself does not burn.	

SECTION 6: Accidental release measures

6.1 Personal precautions,	protective	equipment and emergency procedures
Personal precautions	:	Use personal protective equipment.

Avoid contact with skin, eyes and clothing. Wash contaminated clothing before re-use.

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					lust. ection see section 8. iderations see section 13.
6.2 E	Inviron	mental precautions			
I	Environmental precautions : Do not flush into surface water or sanitary sewer system Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains in respective authorities.				
6.3 N	lethod	s and material for co	ntai	nment and cleani	ng up
I	Method	ls for cleaning up	:	Pick up and trans	fer to properly labelled containers.
		ce to other sections	n 8.	, For disposal cons	iderations see section 13.
SEC	TION	7: Handling and sto	orag	je	
7 1 P	Precaut	ions for safe handlin	a		
		on safe handling	9 :	Keep away from a Keep away from a Smoking, eating a plication area.	n skin and eyes. otective equipment. combustible material. neat and sources of ignition. and drinking should be prohibited in the ap- water in accordance with local and national
		on protection against l explosion	:	The product is no	t flammable.
I	Hygien	e measures	:		ood, drink and animal feedingstuffs. Wash ng, drinking, or smoking. Wash hands before end of workday.
7.2 C	Conditi	ons for safe storage,	inc	luding any incom	patibilities
		information on stor- nditions	:		sources of ignition - No smoking. Keep away ht. Protect from moisture.

Advice on common storage	:	Keep away from combustible materials. Keep away from strong acids. Keep away from strong bases. Keep away from food, drink and animal feedingstuffs.
Storage class (TRGS 510)	:	13
Further information on stor- age stability	:	Protect from frost, heat and sunlight.



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7.3 Specific end use(s)

Specific use(s) : Not relevant

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipm Eye/face protection		Tightly fitting safety goggles
Hand protection Material Directive	:	Gloves Equipment should conform to EN 374
Remarks	:	As the product is a mixture of several substances, the dura- bility of the glove materials cannot be calculated in advance and has to be tested before use.
Skin and body protection	:	Long sleeved clothing
Respiratory protection	:	In the case of dust or aerosol formation use respirator with an approved filter. Equipment should conform to EN 14387
Filter type	:	Filter type P
Protective measures	:	Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before re-use.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	solid
Colour	:	green, white
Odour	:	none

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	Melting	point/range	:	not determined	
	Boiling	point/boiling range	:	not determined	
	Flamm	ability	:	Will not burn	
		explosion limit / Upper bility limit	:	Not applicable	
		explosion limit / Lower bility limit	:	Not applicable	
	Flash p	point	:	Not applicable	
	Auto-ig	nition temperature	:	does not ignite	
	Decom	position temperature	:	> 130 °C To avoid therma	decomposition, do not overheat.
	рН		:	4 - 5 (20 °C) Concentration: 1	00 g/l
	Solubili Wat	ity(ies) er solubility	:	soluble	
	Partitio octanol	n coefficient: n- /water	:	Not applicable	
	Density	1	:	not determined	
	Bulk de	ensity	:	ca. 975 kg/m³	
		e characteristics iicle Size Distribution	:	D50 = 1.600 µm Measurement tee	± 320 μm chnique: Sieve analysis
9.2	Other ir Explosi	nformation ives	:	Not explosive	

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Self-iç	gnition	: not auto-flam	nable
SECTION	I 10: Stability and re	eactivity	
10.1 Reac	•		
No da	angerous reaction know	n under conditions o	f normal use.
	nical stability e under normal conditic	ons.	
10.3 Poss	ibility of hazardous re	eactions	
Hazai	Hazardous reactions : None reasonably foreseeable. Heating can release hazardous gases.		
10.4 Cond	litions to avoid		
Condi	itions to avoid	: Hot surface(s) Direct sources	
10.5 Incor	npatible materials		
Mater	ials to avoid	: Strong bases Organic mate Strong acids Powdered me	
10.6 Haza	rdous decomposition	products	
	rdous decomposition	: Sulphur oxide Oxides of pho Nitrogen oxide	sphorus

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Harmful if swallowed.	
Product: Acute oral toxicity	: Acute toxicity estimate: 636,86 mg/kg Method: Calculation method
Components:	
nitric acid, ammonium ca	alcium salt:
Acute oral toxicity	: LD50 (Rat, female): > 300 - < 2.000 mg/kg Method: OECD Test Guideline 423

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			Assessment: H	armful if swallowed.
Acute	inhalation toxicity	:	Assessment: T tion toxicity	he substance or mixture has no acute inhala-
Acute	dermal toxicity	:	Assessment: T toxicity	he substance or mixture has no acute dermal
Skin	corrosion/irritation			
Based	d on available data, th	ne clas	sification criteria	are not met.
<u>Comp</u>	oonents:			
nitric	acid, ammonium ca	lcium	salt:	
Asses	sment	:	No skin irritatio	n
Cause	us eye damage/eye es serious eye damaç ponents:		on	
nitric	acid, ammonium ca	lcium	salt:	
Asses	sment	:	Risk of serious	damage to eyes.
Respi	iratory or skin sensi	tisatio	'n	
-	sensitisation d on available data, th	ne clas	sification criteria	are not met.
Resp	iratory sensitisation			
Based	d on available data, th	ne clas	sification criteria	are not met.
<u>Comp</u>	oonents:			
nitric	acid, ammonium ca	lcium	salt:	
Asses	ssment	:	Does not cause	e skin sensitisation.
Asses	ssment	:	Does not cause	e respiratory sensitisation.
	cell mutagenicity d on available data, th	ne clas	sification criteria	are not met
	oonents:			
	acid, ammonium ca	lcium	salt [.]	
	cell mutagenicity- As			ence does not support classification as a gern
Carci	nogenicity			



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Com	Components:						
nitric acid, ammonium calcium salt:							

Carcinogenicity - Assess- : Not classifiable as a human carcinogen.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Components:

nitric acid, ammonium calcium salt:

Reproductive toxicity - As- : No toxicity to reproduction sessment

No effects on or via lactation

STOT - single exposure

Based on available data, the classification criteria are not met.

Components:

nitric acid, ammonium calcium salt:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Based on available data, the classification criteria are not met.

Components:

nitric acid, ammonium calcium salt:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

:

Components:

nitric acid, ammonium calcium salt: No aspiration toxicity classification

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to



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			e 57(f) or Commission Delegated regulation 00 or Commission Regulation (EU) 2018/605 at or higher.
SECTION	N 12: Ecological in	formation	
12.1 Toxic	city ata available		
12.2 Pers	istence and degrada	bility	
12.3 Bioa	ccumulative potenti ata available	al	
	i lity in soil ata available		
12.5 Resu	llts of PBT and vPvE	B assessment	
<u>Prod</u> Asse	<u>uct:</u> ssment	to be either pe	e/mixture contains no components considered ersistent, bioaccumulative and toxic (PBT), or t and very bioaccumulative (vPvB) at levels of r.
12.6 Endo	ocrine disrupting pro	operties	
Prod	uct:		
	ssment	ered to have e REACH Article	e/mixture does not contain components consid- endocrine disrupting properties according to e 57(f) or Commission Delegated regulation 00 or Commission Regulation (EU) 2018/605 at or higher.
	r adverse effects ata available		
SECTION	N 13: Disposal con	siderations	
13 1 Wae	te treatment method	s	
Produ		: Do not flush in Dispose of in a Waste codes s	nto surface water or sanitary sewer system. accordance with local regulations. should be assigned by the user based on the which the product was used.
-			

Contaminated packaging : Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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			Empty containe	ers retain residue and can be dangerous.
SECTION	14: Transport inf	ormati	on	
14.1 UN nu	umber or ID number			
ADN		:	Not regulated a	as a dangerous good
ADR		:	Not regulated a	as a dangerous good
RID		:	Not regulated a	as a dangerous good
IMDG		:	Not regulated a	as a dangerous good
IATA_	P	:	Not regulated a	as a dangerous good
14.2 UN pr	oper shipping nam	е		
ADN		:	Not regulated a	as a dangerous good
ADR		:	Not regulated a	as a dangerous good
RID		:	Not regulated a	as a dangerous good
IMDG		:	Not regulated a	as a dangerous good
IATA_	_P	:	Not regulated a	as a dangerous good
14.3 Trans	port hazard class(e	es)		
ADN		:	Not regulated a	as a dangerous good
ADR		:	Not regulated a	as a dangerous good
RID		:	Not regulated a	as a dangerous good
IMDG		:	Not regulated a	as a dangerous good
IATA_	_P	:	Not regulated a	as a dangerous good
14.4 Packi	ng group			
ADN		:	Not regulated a	as a dangerous good
ADR		:	Not regulated a	as a dangerous good
RID		:	Not regulated a	as a dangerous good
IMDG		:	Not regulated a	as a dangerous good
ΙΑΤΑ	(Cargo)	:	Not regulated a	as a dangerous good
IATA_	P (Passenger)	:	Not regulated a	as a dangerous good
	onmental hazards gulated as a dangero	ous goo	d	
-	al precautions for upplicable	iser		

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14.7 Maritime transport in bulk according to IMO instruments



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Regu Rema	ılatory basis arks	: IMSBC Code : Product is not a	allowed to be transported in bulk.	

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mix- ture				
REACH - Restrictions on the manufacture, placing on : Not applicable the market and use of certain dangerous substances, mixtures and articles (Annex XVII)				
REACH - Candidate List of Substances of Very High : Not applicable Concern for Authorisation (Article 59).				
Regulation (EC) No 1005/2009 on substances that de- : Not applicable plete the ozone layer				
Regulation (EU) 2019/1021 on persistent organic pollu- : Not applicable tants (recast)				
REACH - List of substances subject to authorisation : Not applicable (Annex XIV)				
Regulation (EU) 2019/1148 on the marketing and use of explo- sives precursors				
This product is regulated by Regulation (EU) 2019/1148: all suspi- cious transactions, and significant disappearances and thefts salt (ANNEX II) should be reported to the relevant national contact point.				
Seveso III: Directive 2012/18/EU of the Euro- pean Parliament and of the Council on the control of major-accident hazards involving dangerous substances.				
Water hazard class (Germa- : WGK 1 slightly hazardous to water ny) Classification according to AwSV, Annex 1 (5.2)				
15.2 Chemical safety assessment Not relevant				

SECTION 16: Other information

Full text of H-Statements		
H302	:	Harmful if swallowed.



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H318		: Causes se	rious eye damage.	
Full t	ext of other abbrevi	ations		
Acute	e Tox.	: Acute toxic		
Eye 🛛	Dam.	: Serious ey	: Serious eye damage	

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response: GHS - Globally Harmonized System; GLP - Good Laboratory Practice: IARC - International Agency for Research on Cancer: IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations: vPvB - Verv Persistent and Very Bioaccumulative

Further information

Classification of the mixture:		Classification procedure:
Acute Tox. 4	H302	Calculation method
Eye Dam. 1	H318	Calculation method

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



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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.

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