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Trading name:	SUDAN IV, C.I. 26105				
Product code:	S4-P-X**	Revision date:	21 Dec 2022	Version:	3

1.1.	Product identifier				
	Substance name:	SUDA	AN IV, C.I. 26105		
	EC No:	201-638-8			
	Synonyms:	Solve	ent Red 24, Biebrich Scarlet R, Scarlet Red, Fat Ponceau		
	Product code:	S4-P	-X**		
	REACH registration number:	-			
	CAS No:	85-83	3-6		
	Index no.:	-			
1.2.	Relevant identified uses of the	subst	tance or mixture and uses advised against		
	Uses:		For staining lipids.		
	Uses advised against:		Only the identified uses are advised.		
	Reason why uses advised agai	nst:	The product is intended for use only as an <i>in vitro</i> diagnostic medical device listed in the Registry of medical devices at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier of the s	afety	data sheet		
	Supplier:	Bi	oGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:	+;	+385 1 2409997		
	Fax no.:	+:	+385 1 2404039		
	e-mail of competent person:	<u>m</u>	msds@biognost.hr		
	National contact person:	-			
1.4.	Emergency telephone number				
	National Protection and Rescue Directorate:		112		
	Medical information:		+385 1 2348 342		
	Other information:		_		

SECTIO	SECTION 2. Hazards identification					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)					
	Hazard class and category code:	Hazard statements*:				
	Not identified as hazardous substances -					
2.1.2.	Additional information					
	-					
*For fu	Ill text of Hazard- and EU Hazard-statements: see Sectio	n 16				



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2.2.	Label elements		
	Product identification:	SUDAN IV, C.I. 26105	
	Identification number:	-	
	Authorisation number:	-	
	Hazard pictograms:	-	
	Signal word:	-	
	Hazard statements:	-	
	Precautionary statements:	-	
	Further information:	-	
2.3.	Other hazards		
	Endocrine Disrupting Propert	ies:	
	No known endocrine disrupting properties		
	Results of PBT and vPvB asses PBT or a vPvB.	ssment: According to the results of its assessment, this substance is not a	

SECTION 3. Composition/information on ingredients					
CAS No	EC No:	Index no.	Identification name	Weight % content (or range)	
85-83-6	201-635-8	_	1-(2-methyl-4-(2-methylphenylazo)phenylazo)- 2-naphthol	90-100 %	

SECTIO	SECTION 4. First aid measures				
4.1.	Description of first aid measures				
	General notes:				
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.			
	Following skin contact:	Remove contaminated clothing. Immediately begin rinsing with copious amounts of water for at least 15 min. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.			
	Following ingestion:	DO NOT induce vomiting. If the afflicted person is unconscious, do not provide them with anything orally. Drink at most two glasses of water. Seek medical assistance.			
	Self-protection of the first aider	-			
4.2.	Most important symptoms and effects, both acute and delayed				
	Following inhalation:	Harmful if inhaled.			



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	After skin contact:	Harmful in contact with skin.
	Following eye contact:	Risk of serious damage to eyes.
	Following ingestion:	Harmful if swallowed.
4.3.	Indication of any immediate	medical attention and special treatment needed
	-	

SECTIO	CTION 5. Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media: Water, foam, dry powder, CO ₂				
	Unsuitable extinguishing media: -				
5.2.	Special hazards arising from the substance or mixture				
	Hazardous combustion products: no information available				
5.3.	Advice for firefighters				
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool closed containers exposed to fire with water spray or vapor.				
5.4.	Additional information				
	Make sure the water used for extinguishing fire does not contaminate water surface or underground waters system.				

SECTIO	ON 6. Accidental releas	e measures			
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency p	ersonnel			
	Protective equipment:		Use personal protective equipment (see Section 8).		
	Accident prevention n	nethods:	Avoid breathing in dust. Avoid touching the substance. Secure proper ventilation.		
	Emergency procedure	s:	Leave the hazardous area, take notice of the emergency procedures.		
6.1.2.	For emergency responders:				
	-				
6.2.	Environmental precautions:				
	Do not allow the product enter drainage.				
6.3.	Methods and material	for preventi	ng spreading and cleaning		
6.3.1.	For creating barriers, covering and sealing:	of the pos	drains. Collect, bind and pump out all the spilled material. Take notice sible material restriction (see Sections 7 and 10). Collect in dry form. eration of dust.		
6.3.2.	Cleaning up:	substance the legal p	vaste material in tightly closed impermeable containers. Store the in well ventilated storage rooms until disposal. Submit for disposal to ersons authorized by the Ministry of Environmental and Nature. After disposal of the products, wash the area and and involved		



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		materials with water.
6.3.3.	Other information:	-
6.4.	Reference to other sec	ctions
	Indications about was	te treatment, see Section 13.

SECTIO	ON 7. Handling and storage					
7.1.	Precautions for safe handling					
7.1.1.	Protection measures					
	Measures to prevent fire:	Keep away from sources of ignition and heat. Do not use sparkling tools.				
	Measures to prevent aerosol and dust generation	on: Secure proper ventilation.				
	Environmental precautions:	Prevent spilling into the sewage system and waterways.				
	Other measures:	-				
7.1.2.	Advice on general occupational hygiene:					
	Do not eat, drink or smoke in the workspace. The	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.				
7.2.	Conditions for safe storage, including any incompatibilities					
,	Technical measures and storage conditions:	Minimize dust formation. Avoid breathing in dust. Avoid contact with skin, eyes, and clothes. Keep in tightly closed containers.				
	Containers materials:	Manufacturer's original packaging.				
	Requirements for storage rooms and vessels:	Keep in a tightly closed container. Keep in cool, dry and well ventilated space away from non-compatible substances.				
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.				
	Further information on storage conditions:	No information available.				
7.3.	Specific end use(s)					
	Recommendations: -					
	Industrial sector specific solutions: -					

SECTION 8. Exposure controls/personal protection						
8.1. Control parameters						
Substance	CAS No	limit values	al exposure /short term ues	Biological limit values		
		ppm	mg/m³			



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Product code: S4-P-X** Revision date: 21 Dec 2022 Version: 3 Does not contain substances regulated by the professional exposure limit values. Substance name: - CAS No: - CAS No: -
Substance name:
Substance name:
Substance name:
name:
FC No: - CAS No: -
EC NO.
DNEL
Industrial
Route of Acute Acute Chronic Chronic
exposure: effect local effect systemic effect local effect systemic
Oral
Inhalation
Dermal
Critical physical parameters: solubility, flammability, corrosivity:
Consumer
Route of Acute Acute Chronic Chronic
exposure: effect local effect systemic effect local effect systemic
Oral
Inhalation
Dermal
PNEC
Environmental protection target PNEC
Fresh water No information available
Freshwater sediments No information available
Marine water No information available
Marine sediments No information available
Food chain No information available
Microorganisms in sewage treatment No information available
Soil (agricultural) No information available
Air No information available
8.2. Exposure controls
8.2.1. Appropriate engineering controls
Substance/mixture related measures to prevent exposure during identified uses: Use personal protective equipment. Do not eat, dring or smoke in the workspace.
Structural measures to prevent exposure: No information available
Organisational measures to prevent exposure: Organization of work in order to reduce other



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			worker's influence during work process.				
	Technical measures for prevention	ng exposure: Technical measures and appropriate working operations should be given priority over the personal protective equipment.					
8.2.2.	Personal protection equipment						
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) or visor (EN 166).					
8.2.2.2.	Skin protection						
	Hand protection:	of EC Directiv full contact: splash contac	e gloves to be used must comply with the specifications e 89/686/EEC and the related standard EN374 Gloves material: Nitrile rubber Glove thickness: 0.11 mm Break through time:> 480 min t: Gloves material: Nitrile rubber Glove thickness: 0.11 mm Break through time:> 480 min				
	Other skin protection:	In normal circumstances use cotton clothes and adequate footwear such as rubber boots or shoes that cover the entire foot. In case of spillage risk use clothes made of impermeable material suitable for protection against liquid chemicals (Viton, PVC himex - HRN EN 46 and footwear made of the same material.					
8.2.2.3.	Respiratory protection:		en dust are generated. Recommended filter type: Filter P I 3181) for solid and liquid particles of toxic and very ces.				
8.2.2.4.	Thermal hazards:	-					
8.2.3.	Environmental exposure control	S					
	Substance/mixture related measures to prevent exposure:	See Section	6				
	Structural measures to prevent exposure:	Use moderr	n equipment.				
	Organisational measures to prevent exposure:	Adapt the wworkplace.	ork process to the required working conditions of the				
	Technical measures for preventing exposure:	See Section 6					

SECTI	SECTION 9. Physical and chemical properties				
9.1.	Information on basic physical and chemical properties				
	Value	Method			



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Physical state:	powder	No information available
Colour:	dark red brown	No information available
Odour/odour threshold:	odourless/no information available	No information available
Melting point / freezing point:	199 ℃	No information available
Boiling point or initial boiling point and boiling range:	No information available	No information available
Flammability:	No information available	No information available
Lover and upper explosion limit:	No information available	No information available
Flash point:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
рН:	No information available	No information available
Kinematic viscosity:	No information available	No information available
Solubility:	No information available	No information available
Partition coefficient n-octanol/water (log value):	No information available	No information available
Vapour pressure:	No information available	No information available
Density and/or relative density:	No information available	No information available
Relative vapour density:	No information available	No information available
Particle characteristics:	No information available	No information available
Other information		

SECTIO	N 10. Stability and reactivity	
10.1.	Reactivity:	No information available
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).
10.3.	Possibility of hazardous reactions:	Strong oxidizing agents
10.4.	Conditions to avoid:	No information available
10.5.	Incompatible materials:	No information available
10.6.	Hazardous decomposition products:	No information available

SECTIO	SECTION 11. Toxicological information								
11.1.	11.1. Information on toxicological effects								
	Acute toxicity:								
Route o	of	Method	Species	Dose LD ₅₀ /LC ₅₀	Exposure period	Result			



available

information

information

information

information

SAFETY DATA SHEET BIOGNOST According to Regulation (EC) No. 1907/2006 amended by Regulation (EU) No. 2020/878

Trading name:				SUDA	N IV, C.I. 2610	5			
Product code:	S4-P-X**		Revis	sion date	21 Dec 20	22	Vers	sion:	3
exposure:									
ехрозите.	No information	on No	inform	ation N	a information	No	informa	ntion	
Oral exposure:	available	avail			n No information available		No information available		
Skin contact:	No information	on No avail	inform able		o information railable	No available	informa e	ntion -	
Inhaling: No information No available availa		inform able		o information railable	No available	informa	ation -		
Specific	target organ toxici	tv – sinale	e exposu	ıre (STOT	SE):				
	Specific			(= , = ,	Target organ			Note	
Oral exposure: No information available				No infor	mation available	.	_		
Skin contact:	No information a				mation available		_		
Inhaling:	No information a				mation available		_		
<u>.</u>									
Aspirat	on hazard:		No in	formation	available				
i •			İ						
Irritatio	n and corrosion								
	Exposure	time	Sp	ecies	Evaluation	Meth	nod	Note	9
Skin corrosion/irritati		rmation	No informati available		–	No information available		No inforravailable	matio
Serious eye damage/irritatio		rmation	No informatio		-	No information available		No inforr available	matio
Sensitiz	ation								
Skin contact:	No information	available	<u> </u>						
Inhaling:	No information								
	l .								
Sympto	ms related to the p	hysical, cł	nemical a	and toxico	logical characte	eristics			
Oral exposure:	No information	available	<u> </u>		-				
Skin contact:	No information	available	<u>)</u>						
Inhaling: No information available)						
Eye contact:	No information	available)						
Renest	ed dose toxicity (sub	nacute su	ıhchroni	c chronic					
Переан	•	Exposur	Δ.			_			
	Dose	time		Species	Method	Eval	luation	Note	



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		available	available	available	available	
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhaling toxicity	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal toxicity	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	_
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal toxicity	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-

	Specific effects	Target organ	Note
Subacute oral	No information available	No information available	-
Subacute dermal	No information available	No information available	-
Subacute inhaling toxicity	No information available	No information available	-
Subchronic oral	No information available	No information available	-
Subchronic dermal toxicity	No information available	No information available	-
Subchronic inhalation	No information available	No information available	-
Chronic oral	No information available	No information available	-
Chronic dermal toxicity	No information available	No information available	-
Chronic inhalation	No information available	No information available	-

CMR effects (carcinogenicity, mutagenicity, reproductive toxicity) Carcinogenicity: No information available



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Mutagenicity in-vitro:		No information available			
Genoto	xicity: N	No information available			
Mutage	nicity <i>in-vivo</i> : N	lo information available			
Germ ce	ell mutagenicity:	lo information available			
Reprodu	uctive toxicity:	lo information available			
	Summary of evaluation of the CMR properties:	No information available			
11.2.	Information on other hazards:				
11.2.1.	Endocrine disrupting properties:				
	The substance/mixture does no components considered to have disrupting properties according Article 57(f) or Commission regulation (EU) 2017/2100 or Components (EU) 2018/605 at levels higher.	endocrine to REACH Delegated ommission			
11.2.2.	Other informations:				
	-				

SECTION 12. Ecological information								
12.1. Toxicity								
Acute (short-term) toxicity	Dose	Exposure period	Species	Method	Evaluation	Note		
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-		
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-		
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-		
Microorganisms	-	-	-	-	-	-		
Chronic (long-term) toxicity	Dose	Exposure period	Species	Method	Evaluation	Note		
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-		



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Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Microorganisms	-	-	-	_	-	-

12.2. Persis	Persistence and degradability								
Abiotic degradation									
	Degradation half-lives	Method	Evaluation	Note					
Marine water	No information available	No information available	No information available	-					
Fresh water	No information available	No information available	No information available	-					
Air	No information available	No information available	No information available	-					
Soil	No information available	No information available	No information available	-					

Biodegradation								
% Degradation	Time (days)	Method	Evaluation	Note				
No information available	No information available	No information available	No information available	-				

12.3.	Bioaccumulative potential		

Par	Partition coefficient: n-octanol/water (log Kow):								
Value	Concentration	рН	°C	Method	Evaluation	Note			
No informatio n available	No information available	–	–	No information available	No information available	No information available			

o information No information No information No information No information	Value	Species	Method	Evaluation	Note
ailable available available available available	No information vailable				



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	Chr	onic ocoto	wicity							
		onic ecoto	Dose	Exp osu re peri od	Specie	es	Meth	od	Evaluation	Note
Chroni	c toxio	city on fish	n LC50	tion	No info available	rmation	No inform on availab	ati	No information available	-
Chroni crustac		city on aphnia)	EC ₅₀	tion	No info available	rmation	No inform on availab	ati	No information available	-
12.4.	Mol	bility in so	il							
14.7.		•	" dicted distribut	ion in en	vironmental	compart	ments:			
		-	on available			-				
	Surf	face tensic	n:							
	,	Value	°C	Con	centration	١	/lethod			Note
		ormation ilable	No information available	No in availa	formation able	No info	ormatior le	1	-	
	Ada	orntion /	desorption							
T		1	coefficient						. 4 - 4 1	N
Transp	ort	Henry	's constant	log	Kow E	vaporatio	on rate Method		viethod	Note
	ater	No available	information	No informa	ation	o inforr vailable	nation	No availa	information able	
Soil-wa		avallable	•	availabl	le "					



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		available			
Soil-air	No information available	No information available	No information available	No information available	-
12.5.	Results of PBT and vPvB assessment				
	No information available				
12.6.	Endocrine disrupting properties				
	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.				
12.7.	Other adverse effects				
	No information available				

SECTIO	N 13. Disposal considerations
13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.
13.1.2.	Waste codes/waste designations according to Law:
	No information available
13.1.3.	Waste treatment – relevant information:
	No information available
13.1.4.	Sewage disposal – relevant information:
	Waste must not be disposed of into the sewage system.
13.1.5.	Other disposal recommendations:
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.
13.1.6.	Relevant Community provisions:
	-

SECTION 14. Transport information



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Transporting/shipment by road (ADR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazard(s):	-
Special precautions for user:	-
Transporting/shipment by rail (R	ID)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazard(s):	-
Special precautions for user:	-
Inland waterway transport (ADN)	
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazard(s):	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazard(s):	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC	AO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazard(s):	-



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Special precautions for user	•	-
Further information:	-	

	ON 15. Regulatory infor					
15.1.	Safety, health and envi	Safety, health and environmental regulations/legislation specific for the substance or mixture				
	EU regulations					
	Authorization and/or re	estrictions of use				
	Authorizations:	-				
	Restrictions:	-				
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);				
	Information according guideline)	1999/13/EC about limitation of emissions of volatile organic compounds (VOC-				
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Transport of Hazardous Substances Act				
15.2.	Chemical safety assessi	ment				
	None					

SECTIO	SECTION 16. Other information		
16.1.	Indication of changes:	-	
16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)	



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		IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative	
16.3.	Key literature references and source of data:	-	
16.4.	Relevant H statements (number and full text)		
	H: -	-	
16.5.	Training advice:	-	
16.6.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.	

			F\/.	
Δ	\mathbf{r}	Ν	-x.	
_			_/\.	

Exposure scenario resulting to Chemical safety assessment