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Trading name:	KOVAC INDOLE REAGENT						
Product code:	KOV-OT-X**	Revision date:	22 Dec 2022	Version:	4		

stSEC	TION 1: Identification of Product identifier	of the substan	ice/mixtu	re and of the company/undertaking	
	Trading name:	KOVAC IND	OI F RFAC	JENT	
	Chemical name:	-	-		
	Catalogue number:	KOV-OT-X*	*		
1.2		Relevant identified uses of the substance or mixture and uses advised against			
	Uses:		For identification of indole-positive and indole-negative microorganisms.		
	Uses advised against:		Only the	e identified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered 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 supplie	Details of the supplier of the safety data sheet			
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039		
	e-mail of competent	person:	msds@biognost.hr		
	National contact:	National contact:			
1.4	Emergency telephone	e number			
	National Protection a	nd Rescue Dire	ectorate:	: 112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification					
2.1	Classification of the substance or mixture	Classification of the substance or mixture				
2.1.1	Classification according to Regulation (EC) N	Classification according to Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and category code: Hazard statements*:					
	Flam. Liq. 3	H226				
	Acute Tox. 4	H302				
	Skin Corr. 1B	H314				
	STOT SE 3	H335				
	STOT SE 3	H336				
2.1.2.	Additional information					



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	No know			results of its assessmen	t, this substance i	s not a
*For f	full text of Ha	azard- and EU Hazar	d-statements: see SECTION 1	6		
2.2	Label ele	ments				
	Product i	dentification:	KOVAC INDOLE REAGEN	Т		
	Identifica	tion number:	-			
	Authoriza	ation number:	-			
		ictograms:	GHS02 GHS05 GHS05 GHS07			
	Signal wo	ord:	Danger			
	Hazard si	tatements:	H226 Flammable liquid a H302 Harmful if swallowe H314 Causes severe skin H335 May cause respirate H336 May cause drowsin	ed. burns and eye damage. ory irritation.		



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	Precautio	nary statements:	smoke. P280 Wear protective of protection. P301+P330+P331 IF SW vomiting.	: Wash with plenty of v EYES: Rinse cautiously v	ng/eye protectior n. DO NOT induce vater and soap. vith water for seve	n/face		
	Supplemetal hazard information (EU):		-					
2.3	Other haz	ards						
	-							

SECTION 3. Composition/information on ingredients					
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
71-36-3/ 200-751-6/ 603-004-00-6	-	70 - 75 %	<i>n</i> -butanol	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Irr. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 STOT SE 3; H336	
7647-01-0/ 231-595-7/ 017-002-01-X	01-2119484862- 27-xxxx	25%	hydrochloric acid, 37%	Skin Corr. 1B; H314 STOT SE 3; H335	

SECT	SECTION 4. First aid measures				
4.1	Description of first aid measu	ires			
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well- ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.			
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.			



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	Following ingestion:	Do not induce vomiting. Do not insert any object into the unconscious person's mouth. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.
	Self-protection of the first aider:	-
4.2	Most important symptoms and ef	fects, both acute and delayed
	Following inhalation:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea.
	Following skin contact:	Defatting, dry skin.
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.
	Following ingestion:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.
4.3	Indication of any immediate medi	cal attention and special treatment needed
	-	

SECTI	SECTION 5. Firefighting measures					
5.1	Extinguishing media					
	Suitable extinguishing media: water spray, dry powder, CO ₂ or alcohol resistant foam					
	Unsuitable extinguishing media: water jet					
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.					
5.4	Additional information					
	Collect contaminated fire fighting water separately. Do not contaminate the environment with extinguishing media.					

SECTIO	SECTION 6. Accidental release measures				
6.1	Personal precautions, protective	equipment and emergency procedures			
6.1.1.	For non-emergency personnel				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke. Keep away from ignition sources.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				



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	Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment (see Section 8).			
6.2	Environmental precautions:			
	Do not dispose of in sewage, Protection and Rescue Direct	drainage system and waterways. In case of large spillage contact National orate (NPRD) on 112.		
6.3	Methods and material for cor	ntainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective parrier or parriers made of similar materials		
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.		
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).		
6.4	Reference to other sections			
	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.			

SECTIC	SECTION 7. Handling and storage					
7.1	Precautions for safe handling					
7.1.1.	Protection measures					
	Measures to prevent fire:	easures to prevent fire:				
	Measures to prevent aerosol and dust generation	n:	Secure proper ventilation.			
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.			
	Other measures:		Protect against electrostatic charges.			
7.1.2.	Advice on general occupational hygiene:					
	Do not eat, drink or smoke in the workspace. The	proughly was	h hands after work and before eating.			
7.2	Conditions for safe storage, including any incom	patibilities				
	Technical measures and storage conditions:	temperatur	htly closed and upright set containers at res ranging from +2 to +8 °C. Protect from irect sunlight.			
	Packaging materials:		rer's original packaging. Unsuitable material cle: aluminium.			



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	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.
	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:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10).
7.3	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTION 8. Expos	SECTION 8. Exposure controls/personal protection							
8.1 Control p	8.1 Control parameters							
Substance CAS No				Occupational exposure limit values/short term values			Biological limit values	
				рр	m	mg/m ³		
n-butanol		71-3	6-3	-/5	0	-/154		-
Hydrogen chloride	•	7647-	01-0	5/1	0	8/15		-
Substance name:	-							
EC No:	-	CAS No:	-					
DNEL								
				Indus	strial			
Route of exposure:		ute t local	Acu effect sy			Chronic effect local		Chronic effect systemic
Oral	-		-		-			3.125 mg/kg (n-butanol)
Inhalation	15 mg/n (hydroch	n ³ Iloric acid)	-		310 mg/m ³ (n-butanol) 8 mg/m ³ (hydrochloric acid			-
Dermal	-		-		-			-
Critical physical pa	rameters: s	solubility, fl	ammabilit	y, corros	sivity:	-		
				Consi	umer			
Route of exposure:		cute ct local	Acut effect sys			Chronic effect local		Chronic effect systemic
Oral	-		-		-			-
Inhalation	-		-		55 mg,	/m³ (n-butano	l)	-



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Dermal	-	-			
PNEC					
Environmental protection target	PNEC				
Fresh water	0.082 mg/l	(n-butanol)			
	0.036 mg/l	(hydrochloric acid)			
Freshwater sediments	0.178 mg/k	0.178 mg/kg (n-butanol)			
Marine water	0.0082 mg/	0.0082 mg/l (n-butanol)			
	0.036 mg/l	0.036 mg/l (hydrochloric acid)			
Marine sediments	0.0178 mg/	0.0178 mg/kg (n-butanol)			
Food chain	no informa	no information available			
Microorganisms in sewage treatment	2476 mg/l	2476 mg/l (n-butanol)			
Microorganisms in sewage treatment	0.036 mg/l	0.036 mg/l (hydrochloric acid)			
Soil (agricultural)	0.015 mg/k	0.015 mg/kg (n-butanol)			
Air	no informa	no information available			

8.2	Exposure controls	Exposure controls				
8.2.1.	Appropriate engineering controls	Appropriate engineering controls				
	Substance/mixture related measure prevent exposure during identified		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.			
	Structural measures to prevent exposure:		In accordance with Section 7.			
	Organisational measures to preve exposure:	nt	Organization of work in order to reduce other worker's influence during work process.			
	Technical measures to prevent exp	posure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.			
8.2.2.	Personal protection equipment					
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.				
8.2.2.2.	Skin protection					



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	Hand	protection:	Regulation (EU) 20 Full contact: Glove mate Glove thick Time until p Splash contact: Glove mate Glove thick	ves have to satisfy the s 16/425 and the related rial: butyl rubber ness: ≥ 0.50 mm perforation: > 480 min rial: nitrile rubber ness: 0.40 mm igh time: 35 min	•			
	Other	skin protection:	During everyday w suitable footwear, s cover the entire foo of impermeable ma	ork use antistatic clothi such as rubber boots (E ot. In case of spilling ha aterial suitable for prote VC, himex) and footwea	N 20345) or shoe azard, use clothing action from liquid	s that g made		
8.2.2.3.	Respi	ratory protection:	inadequate ventila	n level exceeds the GVI tion), use a filter for org C) according to EN 143	janic vapors, type			
8.2.2.4.	Therm	nal hazards:	No information available					
8.2.3.	Enviro	onmental exposure controls						
		ance/mixture related ures to prevent exposure:	See Section 6					
	Struct expos	ural measures to prevent ure:	Use modern equipment.					
Organisational measures to prevent exposure: Adapt the work process to the required workplace.				ocess to the required w	orking conditions	of the		
	Techn expos	ical measures to prevent ure:	See Section 6					

SECTI	SECTION 9. Physical and chemical properties					
9.1	Information on basic physical and chemical properties					
		Value	Method			
	Physical state:	liquid	No information available			
	Colour:	greenish yellow	No information available			
	Odour/odour threshold:	characteristic/no information available	No information available			
	Melting point / freezing point:	No information available	No information available			
	Boiling point or initial boiling point and boiling range:	No information available	No information available			



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9.2	Other information		
	Particle characteristics:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Density and/or relative density	No information available	No information available
	Vapour pressure:	No information available	No information available
	Partition coefficient n- octanol/water (log value):	No information available	No information available
	Solubility:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	pH:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Flash point:	36°C	No information available
	Lover and upper explosion limit:	No information available	No information available
	Flammability:	No information available	No information available

SECTIO	ON 10. Stability and reactivity	
10.1	Reactivity:	See subsections 10.3 through 10.5.
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:	Risk of explosion with alkali metals, conc. sulfuric acid.
10.4	Conditions to avoid:	Avoid heat, sparks, direct sunlight, open flames and other ignition sources.
10.5	Incompatible materials:	Various metals, rubber, various plastics.
10.6	Hazardous decomposition products:	No information available

SECTIO	ON 11. Toxic	ological info	rmation			
11.1	Informatio	n on toxicolog	gical effects			
	Acute toxic	city:				
Route o exposu		Method	Species	Dose LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure time	Results
Oral:		-	rat (n-butanol)	LD ₅₀	-	790 mg/kg (n-butanol)
Dermal	:	-	rabbit (n-butanol)	LD ₅₀	-	3.400 mg/kg (n-butanol)



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Inhalation:	-	rat		L	C ₅₀	4h (n-butano 1h (hydrochlorio acid)	(n-butar	nol) g/l
Specific targ	jet organ to	kicity – single e	xposure (S	fot se)	:			
	S	pecific effects			Target or	gan	Note	
Oral:	No informat	ion available		No inf	ormation av	ailable	-	
Dermal:	No informat	ion available		No inf	ormation av	ailable	-	
Inhalation:	No informat	ion available		No info	ormation av	ailable	may cause drow or dizziness	vsiness
Aspiration h	azard:		No inform	nation a	available.			
Irritation and	d corrosion							
	Ехро	sure time	Speci	es	Evaluatio	n Method	l Note	
Skin corrosion/irritation:	No available	information	rabbit		-	-	irritations	
Serious eye damage/irritation	No available	information	rabbit		-	-	irreversible ef on the eye	ffects
Sensitizatior	า							
Skin sensitization:	No	information a	vailable.					
Respiratory sensitizat	tion: No	information a	vailable.					
Symptoms r	elated to the	e physical, chei	mical and to	oxicolo	gical charac	teristics		
Oral exposure:		ing occurs, asp iitis or pulmon			nit may also	occur and ca	use chemical	
	Prolonge			ire to lo	w viscosity	content may	cause irritation a	nd
Dermal exposure:	dermatiti	s, skin drying o	i cracking.					
Dermal exposure: Inhalation exposure:	Respirato exposure	ry system irrita	ition, heada entrations a	above r	ecommende		nay occur during ay also act as an	



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	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	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	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	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 target	organ toxicity – repeated exposure (STOT RE):	
	Specific effects	Target organ	Note
Subacute oral	No information available	No information available	-
Subacute dermal	No information available	No information available	-
Subacute inhalation	No information available	No information available	-
Subchronic oral	No information available	No information available	-
Subchronic dermal	No information available	No information available	-
Subchronic inhalation	No information available	No information available	-
Chronic oral	No information available	No information available	-
Chronic dermal	No information available	No information available	-



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Chronic	: inhalation	No information availabl	e		No information available -
	CMR effects (ca	arcinogenicity; mutagenic	ity; re	eproductive t	oxicity)
	Carcinogenicity	y:	Ba	sed on availa	ble data, the classification criteria are not met.
	Mutagenicity <i>ii</i>	n vitro:	Bas	sed on availa	ble data, the classification criteria are not met.
	Genotoxicity:		Bas	sed on availa	ble data, the classification criteria are not met.
	Mutagenicity i	n vivo:	Bas	sed on availa	ble data, the classification criteria are not met.
	Germ cell muta	agenicity:	Bas	sed on availa	ble data, the classification criteria are not met.
	Reproductive t	oxicity:	Bas	sed on availa	ble data, the classification criteria are not met.
	Summary of properties:	evaluation of the O	CMR	Based on a met.	vailable data, the classification criteria are not
	-5				
11.2	Information or	other hazards:			
11.2.1.	Endocrine disru	upting properties:			
	No known end that affect hum	docrine disrupting prope nan health.	rties		
11.2.2.	Other informat	ions:			
	-				

SECTION 12. Ecologie	cal informat	ion				
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	Pimephales promelas (fathead minnow)	No information available	No information available	45.7 mg/l (n-butanol)
Crustacea:	EC ₅₀	48 hours	Daphnia magna (Water flea)	No information available	No information available	1.58 mg/l (n-butanol)
Algae/aquatic plants	IC ₅₀	4 days	Desmodesmus subspicatus (green algae)	No information available	No information available	72.7 mg/l (n-butanol)
Other organisms	-	-	-	-	-	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note



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Fish		LC ₅₀	96 hours		o information /ailable	No information available	No info availab	information ilable		
		EC ₅₀	48 hours		o information /ailable	No information available	No info availab	ormation ble	-	-
		IC ₅₀	72 hours		o information vailable	No information available	No info availab	ormation ble	-	
Other organism	S	-	-	-		-	-		-	
	degrad	d degradal lation gradation h			Method	Evaluatio	n		Note	
Marine water		formation a		No ir availa	nformation	No information available		-		
Fresh water	No inf	formation a	available	avail		No information available		-		
Air	No inf	formation a	available	avail		No information available		-		
Soil	No inf	formation a	nation available		nformation able	No information available		-		
Biodeg	radatio	n								
% Degradatio	n	Time (days)		Method	Evaluatio			Note	
0%	2	28 days		OECI	D TEST 301F	No information available	n	Not readi biodegrad	-	
12.3 Bioaccu	umulati	ve potentia	al				1			
		•	oefficient (l	og Ko	w)					
Value	Co	oncentrat ion	рН	°C	Method	Evalu	ation		Note	
1.28	-		- 2	23 °C	OECD 107	-		bioacci not exp	umulatio	on is



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	Bioconcer	ntratio	n factor (BCF)		:			1			1	
Ň	Value		Species		N	1ethod		E١	valuatio	on		Note
No i availab			inform able	nation No inform available			nation No info availab		ormation -		-	
	Chronic e	cotoxic	city									
		COLOXIC		Fxn	osure							
	Value Dos		Dose	-	ime	Spe	ecies	Meth	nod	Eva	aluation	Note
Chroni	ic toxicity on	fish	LC ₅₀	No infor availa	mation able	No inforr availa	nation Ible	No inform availab		No information available		-
	ic toxicity on cea (<i>Daphnic</i>		EC ₅₀	No infor availa	mation able	No inforr availa	nation Ible	No inform availab		No infor avail	mation able	-
	Known or	predic	ted distributi	on in e	nvironm	ontal c	omport					
	No inform Surface te	nation	available				ompart	iments:				
		nation	available		oncentral		ompan	Methc	od			Note
	Surface te	nation a nsion: Non ii	available	C		tion		Metho			-	Note
	Surface te Value No informatio	nation a nsion: Non ii	available °C No nformation	C	oncentrat informat	tion	No inf	Metho			-	Note
	Surface te Value No informatio	nation a ension: on ii a	available °C No nformation available	C	oncentrat informat	tion	No inf	Metho			-	Note
Transp	Surface te Value No informatic available Adsorptio	nation a ension: pon ii a n / dee A/D co	available °C No nformation available	C No ava	oncentrat informat	tion	No inf	Metho formation ble)	Methc		Note
Transp Soil-wa	Surface te Value No informatic available Adsorptio	n / des A/D co enry's	available °C No nformation available sorption efficient	C No ava	oncentrat informat ailable og Kow	tion ion Ev	No inf availal	Metho formation ble on rate	ר 	Methc	od	
	Surface te Value No informatic available Adsorptio	n / des A/D co enry's able	available °C No nformation available sorption efficient constant	C No ava	oncentral informat ailable og Kow nformatio able	tion ion Ev on No av	No inf availal vaporati	Metho formation on rate nation	n No ir availa	Metho	od	



UN number:

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

Page 15 of 18 Trading name: **KOVAC INDOLE REAGENT** Product code: KOV-OT-X** Revision date: 22 Dec 2022 Version: 4 12.5. Results of PBT and vPvB assessment Not applicable. 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 further relevant information available. **SECTION 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: Packaging that contains residual hazardous substances or is contaminated with hazardous substances 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. 13.1.6. **Relevant Community provisions:** Disposal must be made according to official regulations. **SECTION 14. Transport information** Transporting/shipment by road (ADR)

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Trading name:		KOVAC INDOLE REAGENT				
Product code:	KOV-OT-X**	Revision date:	22 Dec 2022	Version: 4		
UN proper shipping name:		Corrosive liquid, flammable, n.o.s. (butanol, hydrochloric acid)				
Transport hazard cl	ass(es):	8 (3)				
Packing group:		11				
Environmentally ha		-				
Special precautions	for user:	-				
	ng/shipment by rail (RI					
UN number:		2920				
UN proper shipping		Corrosive liquid, flamm	nable, n.o.s. (butanol, hydr	ochloric acid)		
Transport hazard cl	ass(es):	8 (3)				
Packing group:		11				
Environmentally ha	zardous:	-				
Special precautions	for user:	-				
Inland wat	erway transport (ADN)					
UN number:		2920				
UN proper shipping	g name:	Corrosive liquid, flamm	nable, n.o.s. (butanol, hydr	ochloric acid)		
Transport hazard cl	ass(es):	8 (3)				
Packing group:		11				
Environmentally ha	zardous:	-				
Special precautions	for user:	-	_			
Transporti	ng/shipment by sea (IN	/DG)				
UN number:		2920				
UN proper shipping	g name:	Corrosive liquid, flamm	nable, n.o.s. (butanol, hydr	ochloric acid)		
Transport hazard cl	ass(es):	8 (3)				
Packing group:		11				
Environmentally ha	zardous:	-				
Special precautions	for user:	-				
Transport in bulk a of MARPOL 73/78 a	and the IBC code:	-				
Transporti	ng/shipment by air (IC	AO-TI/IATA-DGR)				
UN number:		2920				
UN proper shipping	g name:	Corrosive liquid, flamm	able, n.o.s. (butanol, hydr	ochloric acid)		
Transport hazard cl	ass(es):	8 (3)				
Packing group:		11				
Environmentally ha	zardous:	-				
Special precautions	for user:	-				



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

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Trading name:		KOVAC INDO	OLE REAGENT		
Product code:	KOV-OT-X**	Revision date:	22 Dec 2022	Version:	4

Further information:

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture				
	EU regulations				
	Authorization and/or restrictions 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 (EC) 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 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 1999/13/EC about limitation of emissions of volatile organic compounds (VOC- guideline)				
	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, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act				
15.2	Chemical safety assessme	ent			
	None				

SECTIO	N 16. Other information	
16.1	Indication of changes:	-



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Trading name:		KOVAC INDOLE REAGENT								
Product code: KOV-OT-X**			KOV-OT-X**		Revision date:	22 Dec 2022	Version:	4		
16.2	5.2 Abbreviations and acronyms:			route Good IMDC IATA GHS: EINE CAS: DNEI LC50 LD50 PBT:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) 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					
16.3.	-	literat rce of	ure references and data:	-						
16.4.			ion and procedure (3 (CLP)	used to	derive the classificati	on for mixture accordin	ig to Regulation (EC)		
Classif	ication	I		Classifi	cation procedure					
-				-						
16.5.	Relevant H statements (number and full text)									
	H:	226 302 314 315 318 335 336		Harmfu Causes Causes Causes May ca	able liquid and vapou Il if swallowed. severe skin burns an skin irritation. serious eye damage use respiratory irritat use drowsiness or dia	nd eye damage. tion.				
16.6.	Trai	ning a	dvice:	-						
16.7.	t Further information: \ i			 ** "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. 						

ANNEX: Exposure scenario resulting to chemical safety assessment

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