according to the Hazardous Products Regulations



# KLEBFIX FLEX, 18 mL

Versio 8.0	on	Revision Date: 06/19/2025		OS Number: 659512-00017	Date of last issue: 10/01/2024 Date of first issue: 10/21/2011				
SECT	SECTION 1. IDENTIFICATION								
F	Produc	t name	:	KLEBFIX FLEX, <sup>2</sup>	18 mL				
F	Produc	t code	:	893.092					
(	Other n	neans of identification	:	No data available					
N	Manufa	acturer or supplier's o	deta	ails					
C	Compa	ny name of supplier	:	Würth Canada Lir	nited/Limitée				
A	Addres	S	:	345 Hanlon Creel GUELPH, ON N1	-				
Т	Telepho	one	:	1-800-263-5002					
Т	Telefax		:	1-905-564-3671					
E	Emerge	ency telephone	:		olving a spill, fire, explosion or exposure: 7): 1-800-424-9300				
					ant un déversement, incendie, explosion ou ITREC (24/7): 1-800-424-9300				
E	E-mail a	address	:	prodsafe@wurth.	ca				
F	Recom	mended use of the c	hen	nical and restriction	ons on use				
F	Recom	mended use	:	Adhesives					
F	Restric	tions on use	:	Not applicable					

### SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Flammable liquids	:	Category 4
Skin irritation	:	Category 2
Eye irritation	:	Category 2A
Specific target organ toxicity - single exposure	:	Category 3

### **GHS** label elements



according to the Hazardous Products Regulations

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Hazar	rd pictograms		
Signa	l Word	: Warning	
Hazar	rd Statements		•
Preca	utionary Statements	Prevention:	
		and other ignitic P261 Avoid brea P264 Wash skir P271 Use only	by from heat, hot surfaces, sparks, open flames on sources. No smoking. athing mist or vapors. In thoroughly after handling. Dutdoors or in a well-ventilated area. rective gloves, protective clothing, eye protectio tion.
		Response:	
		P302 + P352 IF P304 + P340 + and keep comfo unwell. P305 + P351 + for several minu to do. Continue P332 + P313 If P337 + P313 If	ON SKIN: Wash with plenty of water. P312 IF INHALED: Remove person to fresh air ortable for breathing. Call a doctor if you feel P338 IF IN EYES: Rinse cautiously with water ites. Remove contact lenses, if present and eas rinsing. skin irritation occurs: Get medical attention. eye irritation persists: Get medical attention. ake off contaminated clothing and wash it before
		<b>Storage:</b> P403 + P233 St tightly closed. P405 Store lock	core in a well-ventilated place. Keep container
		Disposal:	f contents and container to an approved waste
	r <b>hazards</b> rs may form explosive ı	disposal plant.	

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture



according to the Hazardous Products Regulations

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### Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Ethyl 2-cyanoacrylate	1-mmethyl-1- phenylethylhy- droperoxide	7085-85-0	>= 80 - < 100 *

\* Actual concentration or concentration range is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

General advice If inhaled	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice. If inhaled, remove to fresh air.
In case of skin contact	:	Get medical attention if symptoms occur. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention. Eyelid bonding: see a doctor.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	:	Treat symptomatically and supportively.

### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	:	Water spray
		Alcohol-resistant foam
		Carbon dioxide (CO2)
		Dry chemical

according to the Hazardous Products Regulations



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	Unsuita media	able extinguishing	:	High volume wate	er jet
	Specifi fighting	c hazards during fire	:	fire. Flash back possit Vapors may form	d water stream as it may scatter and spread ble over considerable distance. explosive mixtures with air. bustion products may be a hazard to health.
	Hazaro ucts	lous combustion prod-	:	Carbon oxides Nitrogen oxides (l	NOx)
	Specifi ods	c extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
	•	l protective equipment fighters	:		e, wear self-contained breathing apparatus. tective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer- gency procedures	Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions :	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for : containment and cleaning up	Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapors/mists with a water spray jet. For large spills, provide diking or other appropriate contain- ment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor- bent. Local or national regulations may apply to releases and dispo- sal of this material, as well as those materials and items em- ployed in the cleanup of releases. You will need to determine

according to the Hazardous Products Regulations



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			Sections 13 and	as are applicable. I 15 of this SDS provide information regarding national requirements.
SECTION	7. HANDLING AND ST	FOR.	AGE	
Tech	nical measures	:		g measures under EXPOSURE RSONAL PROTECTION section.
Loca	I/Total ventilation	:	If sufficient ventivention.	ilation is unavailable, use with local exhaust
Advid	e on safe handling	:	Handle in accompractice, based sessment Keep container Already sensitiz to asthma, aller should consult the tory irritants or so Keep away from other ignition so Take precaution	mist or vapors. es. bughly after handling. dance with good industrial hygiene and safety on the results of the workplace exposure as- tightly closed. ed individuals, and those susceptible gies, chronic or recurrent respiratory disease, heir physician regarding working with respira-
Conc	litions for safe storage	:	Store locked up Keep tightly clos Keep in a cool, Store in accorda	
Mate	rials to avoid	:	Do not store with Strong oxidizing Explosives Gases	h the following product types: agents

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

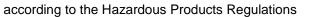
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Ethyl 2-cyanoacrylate	7085-85-0	TWA	0.2 ppm 1 mg/m³	CA AB OEL



according to the Hazardous Products Regulations

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1		-		<b>T</b> \A/A			
				TWA	0.2 ppm		
				TWAEV	0.2 ppm	CA QC O	
				STEV	1 ppm	CA QC O	
				TWA	0.2 ppm	ACGIH	
				STEL	1 ppm	ACGIH	
Engir	neering measures	:			e concentrations. vailable, use with		
Perso	onal protective equip	ment					
Resp	iratory protection	:	sure assessm	ent demonstra	ntilation is not ava tes exposures ou respiratory protec	tside the re-	
Fil	ter type	:	Organic vapo	туре			
Ma Br	protection aterial eak through time ove thickness	:	Nitrile rubber 30 min 0.5 mm				
Br	aterial eak through time ove thickness	:	butyl-rubber 60 min 0.5 mm				
Re	emarks	:	on the concer applications, v micals of the a	ntration specific we recommence aforementioned	nds against chem to place of work. I clarifying the res protective glove pefore breaks and	For special istance to che- s with the glove	
Eye p	protection	:	Wear the follo Safety goggle		protective equipn	nent:	
Skin a	and body protection	:	resistance dat potential. Wear the follo If assessment atmospheres protective clot Skin contact r	a and an asse wing personal demonstrates or flash fires, υ hing.	e clothing based of ssment of the loc protective equipn that there is a ris use flame retardar d by using impervots, etc).	al exposure nent: k of explosive nt antistatic	
Hygie	ne measures	:	eye flushing s king place. When using d	ystems and sa o not eat, drinł	ely during typical fety showers clos or smoke. before re-use.		



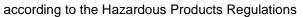


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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	black
Odor	:	pleasant
Odor Threshold	:	No data available
рН	:	substance/mixture reacts with water
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	> 80 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Density	:	1.06 g/cm³ (20 °C) Method: DIN 51757
Solubility(ies) Water solubility	:	hydrolyzes
Partition coefficient: n- octanol/water	:	Not applicable
Autoignition temperature	:	No data available





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Decor	nposition temperature	:	No data available	e
Vis	scosity, dynamic	:	300 - 500 mPa.s No data available	
Explo	sive properties	:	Not explosive	
Oxidiz	ring properties	:	The substance of	r mixture is not classified as oxidizing.
	le characteristics le size	:	Not applicable	

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac- tions	:	Combustible liquid. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact		
Acute toxicity Not classified based on ava <u>Components:</u>	ilable	e information.
Ethyl 2-cyanoacrylate: Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute dermal toxicity	:	LD50 (Rabbit): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity

according to the Hazardous Products Regulations



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Skin o	corrosion/irritation		
Cause	es skin irritation.		
<u>Comp</u>	onents:		
Ethyl	2-cyanoacrylate:		
Specie Result		: Rabbit : Skin irritation	
	us eye damage/eye i es serious eye irritation		
Comp	onents:		
Ethyl	2-cyanoacrylate:		
Specie Result	es	: Rabbit : Irritation to eyes	s, reversing within 21 days
Respi	ratory or skin sensit	ization	
	sensitization assified based on ava	ilable information.	
-	ratory sensitization assified based on ava	ilable information.	
	cell mutagenicity assified based on ava	ilable information.	
Comp	onents:		
-	<b>2-cyanoacrylate:</b> oxicity in vitro		itro mammalian cell gene mutation test Test Guideline 476 e
	nogenicity		
	assified based on ava ductive toxicity	llable information.	
•	assified based on ava	ilable information.	
	-single exposure ause respiratory irritat	ion.	
<u>Comp</u>	onents:		
	2-cyanoacrylate:		

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# KLEBFIX FLEX, 18 mL

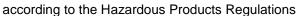
/ersion 3.0	Revision Date: 06/19/2025	SDS Number: 10659512-00017	Date of last issue: 10/01/2024 Date of first issue: 10/21/2011
Aspii	ration toxicity		
Not c	lassified based on av	ailable information.	
SECTION	12. ECOLOGICAL II	NFORMATION	
Ecot	oxicity		
No da	ata available		
Persi	istence and degrada	bility	
Com	ponents:		
Ethyl	l 2-cyanoacrylate:		
Biode	egradability	: Remarks: No o	data available
Bioa	ccumulative potentia	al	
Com	ponents:		
Ethyl	2-cyanoacrylate:		
	ion coefficient: n- ol/water	: Pow: 0.776	
Mobi	lity in soil		
No da	ata available		
Othe	r adverse effects		
No da	ata available		

<b>Disposal methods</b> Waste from residues	:	Do not dispose of waste into sewer. Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or ex- pose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

**UNRTDG** Not regulated as a dangerous good





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ΙΑΤΑ	A-DGR			
UN/I	D No.	:	UN 3334	
Prop	Proper shipping name		Aviation regulated (Ethyl 2-cyanoac	
Clas	S	:	9	
Pack	king group	:		
Labe	els	:	Miscellaneous	
Pack aircr	king instruction (cargo aft)	:	964	
	king instruction (passen- aircraft)	:	964	

### IMDG-Code

Not regulated as a dangerous good

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### **Domestic regulation**

#### TDG

Not regulated as a dangerous good

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### **SECTION 15. REGULATORY INFORMATION**

#### The ingredients of this product are reported in the following inventories:

DSL

: All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

#### Additional regulatory information

Hydroquinone

123-31-9

This product contains CAS 123-31-9, which is subject to a Significant New Activity No. 123-31-9 S', per Canada Gazette December 21, 2011

### **SECTION 16. OTHER INFORMATION**

### Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
CA AB OEL	: Canada. Alberta, Occupational Health and Safety Code (table
	2: OEL)
CA BC OEL	: Canada. British Columbia OEL
CA QC OEL	: Québec. Regulation respecting occupational health and safe-
	ty, Schedule 1, Part 1: Permissible exposure values for air-
	borne contaminants

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ACGI CA A CA B CA Q	H / TWA H / STEL B OEL / TWA C OEL / TWA C OEL / TWAEV C OEL / STEV	:	8-hour time weig	osure limit onal exposure limit ghted average average exposure value

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; 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; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Sources of key data used to compile the Material Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
Revision Date Date format	:	06/19/2025 mm/dd/yyyy

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only



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to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

CA / Z8