

Safety Data Sheet 29215X3 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 06/13/2016 Version: 1.0

ECTION 1: Identification 1. Identification 1. Identification roduct form ubstance name AS No roduct code ormula ynonyms ther means of identification 2. Relevant identified uses of the su se of the substance/mixture 3. Details of the supplier of the safe ynQuest Laboratories, Inc. O. Box 309 lachua, FL 32615 - United States of America (386) 462-0788 - F (386) 462-7097 fo@synquestlabs.com - www.synquestlabs. 4. Emergency telephone number mergency number ECTION 2: Hazard(s) identification	ca
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ECTION 2: Hazard(s) identification	
ull text of H-phrases: see section 16	
2. Label elements HS-US labeling	
azard pictograms (GHS-US)	
ignal word (GHS-US)	GHS07 : Warning
azard statements (GHS-US)	 H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation

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0.0 Others have a de				
2.3. Other hazards				
No additional information available 2.4. Unknown acute toxicity (GHS US)				
Not applicable				
	• • •			
SECTION 3: Composition/information of	on ing	jredients		
3.1. Substance				
Substance type :	Mono-	constituent		
Name		Product identifier	%	Classification (GHS-US)
trans-2,4-Dichlorocinnamic acid (Main constituent)		(CAS No) 20595-45-3	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general		e of accident or if you feel unwell, seek r possible). Move the affected personnel		
First-aid measures after inhalation :		ve person to fresh air and keep comforta ation. Get medical advice/attention.	ble for breathing	g. If not breathing, give artificial
First-aid measures after skin contact :	Wash	with plenty of soap and water. Get medi	cal advice/atten	tion.
First-aid measures after eye contact :	Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.			
First-aid measures after ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.			
4.2. Most important symptoms and effects,	both a	cute and delayed		
Symptoms/injuries :		ost important known symptoms and effe nd/or in section 11.	cts are describe	ed in the labelling (see section
4.3. Indication of any immediate medical at	tention	and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	wder. Water sp	ray. Use extinguishing media
5.2. Special hazards arising from the subst	ance o	r mixture		
Fire hazard :	Therm	al decomposition generates: Carbon oxi	des. Hydrogen	chloride.
5.3. Advice for firefighters				
	: In case of fire: Evacuate area.			
Protection during firefighting :	 Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". 			
SECTION 6: Accidental release measure	res			
6.1. Personal precautions, protective equip		ind emergency procedures		
	General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.			
6.1.1. For non-emergency personnel	. .			
Emergency procedures :	Only q	ualified personnel equipped with suitable	e protective equ	ipment may intervene.
6.1.2. For emergency responders				
Protective equipment :		attempt to take action without suitable posection 8: "Exposure controls/personal		ment. For further information
6.2. Environmental precautions				

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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6.3. Methods and material for co	ntainment and cleaning up			
For containment	: Stop leak if safe to do so.			
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.			
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".			
6.4. Reference to other sections				
No additional information available				
SECTION 7: Handling and stor	rage			
7.1. Precautions for safe handlin				
Precautions for safe handling	Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.			
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.			
7.2. Conditions for safe storage.	including any incompatibilities			

7.2. Conditions for sale storage, includin	ig any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage area	: Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties

9.1.	Information on basic physical a	d chemical properties
Physic	al state	: Solid
Color		: No data available
Odor		: No data available
Odor tl	hreshold	: No data available
pН		: No data available
Melting	g point	: 233 - 235 °C
Freezi	ng point	: No data available
Boiling	point	: No data available
Flash p	point	: No data available
Relativ	e evaporation rate (butyl acetate=1)	: No data available
Flamm	ability (solid, gas)	: No data available
Explos	ion limits	: No data available
Explos	ive properties	: No data available
Oxidizi	ng properties	: No data available
Vapor	pressure	: No data available
Relativ	e density	: No data available
Relativ	e vapor density at 20 °C	: No data available
Molecu	ular mass	: 217.05 g/mol

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Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. **Other information**

No additional information available

SECTION 10: Stability and reactivity				
10.1. Reactivity				
No additional information available				
10.2. Chemical stability				
The product is stable at normal handling and storage conditions.				
10.3. Possibility of hazardous reactions				
No additional information available				
10.4. Conditions to avoid				
Keep away from heat, sparks and flame.				
10.5. Incompatible materials				
Strong bases. Strong oxidizing agents.				
10.6. Hazardous decomposition products				
Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case fire, see Section 5.				
SECTION 11: Toxicological information				
11.1. Information on toxicological effects				
Acute toxicity : Not classified				
Skin corrosion/irritation : Causes skin irritation.				

Skin conosion/imtation	. Causes skin imitation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified

Aspiration hazard

: Not classified

SECTI	ON 12: Ecological information				
12.1.	Toxicity				
No addit	lo additional information available				
12.2.	Persistence and degradability				
No addit	ional information available				
12.3.	Bioaccumulative potential				
No addit	ional information available				
12.4.	Mobility in soil				
No addit	ional information available				
12.5.	Other adverse effects				
No additional information available					
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SECTION 13: Disposal consideration	15	
13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.	
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
Additional information	: Recycle the material as far as possible.	
SECTION 14: Transport information		
Department of Transportation (DOT)		
In accordance with DOT		
Not regulated for transport		
TDG		
No additional information available		
No additional information available		
Transport by sea		
No additional information available		
Air transport		
No additional information available		
SECTION 15: Regulatory information	1	
15.1. US Federal regulations		
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:		

trans-2,4-Dichlorocinnamic acid CAS No 20595-45-3 100%			
	trans-2,4-Dichlorocinnamic acid	CAS No 20595-45-3	100%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Full text of H-phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

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NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	: 0 - Materials that will not burn.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 0 Minimal Hazard - Materials that will not burn
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.