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SECTION 1. IDENTIFICATION

Product name	:	ETHACURE® 300			
Manufacturer or supplier's details					
Company name of supplier	:	Albemarle Corporation			
Address	:	4250 Congress Street, Suite 900 Charlotte , NC 28209 United States of America (USA)			
Telephone	:	980.299.5700			
Telefax	:	980.299.5512			
Emergency telephone	:	+32 (0) 70-233-201 (EUROPE) (+1)225-344-7147 (US and WORLDWIDE) +65-6733-1661 (ASIA PACIFIC) +86-532-8388-9090 (CHINA) +61 2 8014 4558 or 18000 74234 (AUSTRALIA only)			
Contact person product safe- ty	:	DEPARTMENT OF PRODUCT SAFETY			
E-mail address	:	PRODUCTSAFETY@ALBEMARLE.COM			
Recommended use of the chemical and restrictions on use					
Recommended use	:	Curing chemical			
Restrictions on use	:	None known.			

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in ac	cordance with 29 CFR 1910.1200
A cuto toxicity (Oral)	: Cotogory A

Acute toxicity (Oral)	:	Category 4
Skin sensitization	:	Category 1
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1

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GHS label elements Hazard pictograms	
Signal Word	: Warning
Hazard Statements	 H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.
Precautionary Statements	 Prevention: P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing must not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves.
	Response: P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P363 Wash contaminated clothing before reuse. P391 Collect spillage.
	Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.
Other hazards	

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
1,3-Benzenediamine, 4-methyl-2,6-	102093-68-5	80
bis(methylthio)-		
1,3-Benzenediamine, 2-methyl-4,6-	104983-85-9	20

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SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Carbon dioxide (CO2) Dry chemical Foam Water mist Keep containers and surroundings cool with water spray.
Unsuitable extinguishing media	:	No information available.
Specific hazards during fire	:	May release toxic, irritating and/or corrosive gases.

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	fighting			In the event of fire and/or explosion do n	ot breathe fumes.
	Hazard ucts	ous combustion prod-	:	Carbon oxides Nitrogen oxides (NOx) Sulfur oxides	
	Further	information	:	Fire residues and contaminated fire extir be disposed of in accordance with local	
	Special protective equipment for fire-fighters		:	Wear full protective clothing and self-cor apparatus.	ntained breathing
SEC	CTION 6	. ACCIDENTAL RELE	ASI	EMEASURES	
	tive equ	al precautions, protec- uipment and emer- procedures	:	Evacuate personnel to safe areas. Do not breathe dust/ fume/ gas/ mist/ va Wear personal protective equipment. Refer to protective measures listed in se	
	Environ	mental precautions	:	Do not flush into surface water or sanitat Do not allow contact with soil, surface or Prevent further leakage or spillage if safe Contain any spill with dikes or absorbent and entry into sewers or streams.	ground water. e to do so.
		ls and materials for ment and cleaning up	:	Take up small spills with dry chemical at Large spills may be taken up with pump finished off with dry chemical absorbent. Pump up the acid water coming from the container properly labelled and acid-resi Clean contaminated floors and objects the observing environmental regulations. May require excavation of contaminated	or vacuum and e gaz scrubber into a stant. horoughly while

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Take precautionary measures against static discharge.
Advice on safe handling	:	 Provide sufficient air exchange and/or exhaust in work rooms. Local exhaust is needed at source of vapours. Avoid contact with skin and eyes. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Wear protective gloves/ protective clothing/ eye protection/ face protection. For personal protection see section 8.

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Condi	itions for safe storage	 Keep containers tightly closed in a ventilated place. Keep away from heat. Keep away from direct sunlight. 	dry, cool and well-

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures	:	Use with local exhaust ventilation. Use ventilation adequate to keep exposures below the relevant acute and long-term DNEL values.
		Organisational measures to avoid touching equipment surfaces covered with the substance. Change contaminated or damaged gloves immediately. Training in proper use of PPE provided and ensured via an inspection policy.
Personal protective equipmer	nt	
Respiratory protection	:	Approved organic vapor respirator when exposed to vapors from heated material. In case of insufficient ventilation, wear suitable respiratory equipment.
		Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
Hand protection Material	:	Gloves resistant to chemical permeation.
Remarks	:	Nitrile rubber Neoprene gloves
Eye protection	:	Wear safety glasses with side shields or goggles.
Skin and body protection	:	DERMAL PROTECTION: Dermal exposure is considered the primary route of exposure. BODY: A protective apron or suit such as polyethene tyvek or equivalent should be used to minimize exposure from splashes.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	viscous liquid	
Color	:	amber	
Odor	:	amine-like	
Odor Threshold	:	No data available	
рН	:	No data available	
Melting point/freezing point	:	< 32 °F / 0 °C	
Boiling point/boiling range	:	> 437 °F / > 225 °C Method: OECD Test Guideline 103	
Flash point	:	349 °F / 176 °C	
		Method: Regulation (EC) No. 440/2008, Annex, A.9, Pensky- Martens closed cup	
Evaporation rate	:	No data available	
Flammability (solid, gas)	:	Not applicable	
Flammability (liquids)	:	The product is not flammable.	
Self-ignition	:	> 752 °F / > 400 °C 1,013 hPa Method: Regulation (EC) No. 440/2008, Annex, A.16	
Upper explosion limit / Upper flammability limit	:	No data available	
Lower explosion limit / Lower flammability limit	:	No data available	
Vapor pressure	:	< 1 Pa (77 °F / 25 °C)	
Relative vapor density	:	No data available	
Relative density	:	No data available	
Density	:	1.2 g/cm3 (68 °F / 20 °C)	
Solubility(ies) Water solubility	:	162 mg/l (68 °F / 20 °C)	
Solubility in other solvents	:	No data available	

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octa	ition coefficient: n- nol/water pignition temperature	:	log Pow: 2.5 (68 °F / 20 °C) Method: OECD Test Guideline 107 No data available	
Dec	Decomposition temperature		Not applicable	
	osity /iscosity, dynamic	:	No data available	
V	iscosity, kinematic	:	691 mm2/s (68 °F / 20 °C)	
Explosive properties		:	No chemical groups associated to explosive properties.	
Oxic	lizing properties	:	No chemical groups associated to oxid	izing properties.
Self	heating substances	:	The substance or mixture is not classifi	ed as self heating.
Mole	ecular weight	:	ca. 214.36 g/mol	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.	
Chemical stability	:	Stable under normal conditions.	
Possibility of hazardous reac- tions	:	No dangerous reaction known under conditions of normal use.	
Conditions to avoid	:	Protect from moisture.	
Incompatible materials	:	Strong oxidizing agents Strong acids	
Hazardous decomposition products	:	Carbon oxides Nitrogen oxides (NOx) Sulfur oxides	

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Product:	
Acute oral toxicity	: Acute toxicity estimate: 1,516 mg/kg Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate: 2,500 mg/kg
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		Method: Calculation method	
Com	ponents:		
1,3-B	enzenediamine, 4-m	ethyl-2,6-bis(methylthio)-:	
Acute	e oral toxicity	: LD50 (Rat, male and female): Method: OECD Test Guideline	
Acute	e dermal toxicity	: LD50 (Rabbit, male and fema Method: OECD Test Guideline	
1,3-B	enzenediamine, 2-m	thyl-4,6-bis(methylthio)-:	
Acute	e oral toxicity	: LD50 (Rat, male and female): Method: OECD Test Guideline	
Acute	e dermal toxicity	: LD50 (Rabbit, male and fema Method: OECD Test Guideling	
Skin	corrosion/irritation		
Com	ponents:		
1,3-B	enzenediamine, 4-m	thyl-2,6-bis(methylthio)-:	
Spec Metho Resu	od	: Rabbit : OECD Test Guideline 404 : No skin irritation	
1,3-B	enzenediamine, 2-m	thyl-4,6-bis(methylthio)-:	
Spec		: Rabbit	
Meth Resu		: OECD Test Guideline 404 : No skin irritation	
Serio	ous eye damage/eye	ritation	
Com	ponents:		
		thyl-2,6-bis(methylthio)-:	
Spec		: Rat	
Resu Meth		: No eye irritation : OECD Test Guideline 405	
1,3-B	enzenediamine, 2-m	thyl-4,6-bis(methylthio)-:	
Spec		: Rat	
Resu		: No eye irritation	
Meth		: OECD Test Guideline 405	

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Respiratory or skin sensitization

Components:

1,3-Benzenediamine, 4-methyl-2,6-bis(methylthio)-:

Test Type	:	Maximization Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	May cause sensitization by skin contact.

1,3-Benzenediamine, 2-methyl-4,6-bis(methylthio)-:

Test Type :	Maximization Test
Routes of exposure :	Skin contact
Species :	Guinea pig
Method :	OECD Test Guideline 406
Result :	May cause sensitization by skin contact.

Germ cell mutagenicity

Components:

1,3-Benzenediamine, 4-methyl	-2,6-bis(methylthio)-:				
Genotoxicity in vitro :	Test Type: Microbial mutagenesis assay (Ames test) Test system: Salmonella typhimurium Metabolic activation: with metabolic activation Method: OECD Test Guideline 471 Result: positive				
	Test Type: In vitro mammalian cell gene mutation test Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation				
	Result: negative				
Genotoxicity in vivo :	Test Type: Micronucleus test Species: Mouse Application Route: Oral Result: negative				
Germ cell mutagenicity - : Assessment	Not classified due to data which are conclusive although insuf- ficient for classification.				
1,3-Benzenediamine, 2-methyl-4,6-bis(methylthio)-:					
Genotoxicity in vitro :	Test Type: Microbial mutagenesis assay (Ames test) Test system: Salmonella typhimurium				

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		Method: OECD Test Guideline 471 Result: positive Test Type: In vitro mammalian cell gene mutation test Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Result: negative
Geno	toxicity in vivo	: Test Type: Micronucleus test Species: Mouse Application Route: Oral Result: negative
	n cell mutagenicity - ssment	: Not classified due to data which are conclusive although insuf- ficient for classification.
Carci	inogenicity	
Com	ponents:	
Speci Applie	ies cation Route sure time EL	ethyl-2,6-bis(methylthio)-: Rat, male and female oral (feed) 2 y >= 200 ppm Animal testing did not show any carcinogenic effects.
Carci ment	nogenicity - Assess-	: Not classified due to data which are conclusive although insuf- ficient for classification.
Speci Applie	ies cation Route sure time EL	ethyl-4,6-bis(methylthio)-: : Rat, male and female : oral (feed) : 2 y : >= 200 ppm : Animal testing did not show any carcinogenic effects.
Carci ment	nogenicity - Assess-	: Not classified due to data which are conclusive although insuf- ficient for classification.
IARC		ent of this product present at levels greater than or equal to 0.1% is s probable, possible or confirmed human carcinogen by IARC.
OSH		ent of this product present at levels greater than or equal to 0.1% is list of regulated carcinogens.
NTP	No ingredi	ent of this product present at levels greater than or equal to 0.1% is

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identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Components:

1,3-Benzenediamine, 4-methyl-2,6-bis(methylthio)-:					
Reproductive toxicity - As- sessment	:	Not classified due to lack of data.			

1,3-Benzenediamine, 2-methyl-4,6-bis(methylthio)-:

Reproductive toxicity - As- : Not classified due to lack of data. sessment

STOT-single exposure

Components:

1,3-Benzenediamine, 4-methyl-2,6-bis(methylthio)-:

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

1,3-Benzenediamine, 2-methyl-4,6-bis(methylthio)-:

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

STOT-repeated exposure

Components:

1,3-Benzenediamine, 4-methyl-2,6-bis(methylthio)-:

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

1,3-Benzenediamine, 2-methyl-4,6-bis(methylthio)-:

Assessment

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

Repeated dose toxicity

Components:

1,3-Benzenediamine, 4-methyl-2,6-bis(methylthio)-:

Species	:	Rat, male and female
NOAEL	:	>= 400 mg/kg bw/day
Application Route	:	oral (feed)

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Methc Rema	rks	 28 d OECD Test Guideline 407 No significant adverse effects were report 	ted
Specie NOAE Applic	es L ation Route sure time od	 Rat, male and female >= 400 mg/kg bw/day oral (feed) 28 d OECD Test Guideline 407 No significant adverse effects were report 	ted

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

1,3-Benzenediamine, 4-methyl-2,6-bis(methylthio)-:						
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 7.3 mg/l Exposure time: 96 h Test Type: semi-static test Analytical monitoring: yes Method: OECD Test Guideline 203				
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.9 mg/l End point: Immobilization Exposure time: 48 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 202				
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 7.6 mg/l End point: Growth rate Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201 NOEC (Pseudokirchneriella subcapitata (green algae)): 1.9 mg/l				
		End point: Growth rate Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201				

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	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		:	NOEC (Daphnia magna (Water flea)): 0.0 End point: Reproduction Exposure time: 21 d Test Type: flow-through test Analytical monitoring: yes Method: OECD Test Guideline 211)87 mg/l
	Ecotoxic	ology Assessment			
	Acute aq	uatic toxicity	:	Very toxic to aquatic life.	
	Chronic a	aquatic toxicity	:	Very toxic to aquatic life with long lasting	effects.
	1,3-Benz	enediamine, 2-meth	yl-4	4,6-bis(methylthio)-:	
	Toxicity to	o fish	:	LC50 (Oncorhynchus mykiss (rainbow tro Exposure time: 96 h Test Type: semi-static test Analytical monitoring: yes Method: OECD Test Guideline 203	out)): 7.3 mg/l
		o daphnia and other overtebrates	:	EC50 (Daphnia magna (Water flea)): 0.9 End point: Immobilization Exposure time: 48 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 202	mg/l
	Toxicity to plants	o algae/aquatic	:	EC50 (Pseudokirchneriella subcapitata (g mg/l End point: Growth rate Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201 NOEC (Pseudokirchneriella subcapitata (
				mg/l End point: Growth rate Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201	green algae)). 1.9
		o daphnia and other overtebrates (Chron-)	:	NOEC (Daphnia magna (Water flea)): 0.0 End point: Reproduction Exposure time: 21 d Test Type: flow-through test Analytical monitoring: yes Method: OECD Test Guideline 211)87 mg/l

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	oxicology Assessme			
Acute	e aquatic toxicity	:	Very toxic to aquatic life.	
Chro	nic aquatic toxicity	:	Very toxic to aquatic life with long I	asting effects.
Persi	istence and degrada	bility		
<u>Com</u>	ponents:			
1,3-B	enzenediamine, 4-m	ethyl-2	2,6-bis(methylthio)-:	
Biode	egradability	:	aerobic Inoculum: activated sludge Dissolved organic carbon (DOC) Result: Not readily biodegradable. Biodegradation: 2 % Exposure time: 28 d Method: OECD Test Guideline 301	D
Stabi	lity in water	:	Degradation half life: > 1 d - 1 yr (4	Ю °C) pH: 4 - 9
1,3-B	enzenediamine, 2-m	ethyl-4	I,6-bis(methylthio)-:	
	egradability	:	aerobic Inoculum: activated sludge Dissolved organic carbon (DOC) Result: Not readily biodegradable. Biodegradation: 2 % Exposure time: 28 d Method: OECD Test Guideline 301	D
Stabi	lity in water	:	Degradation half life: > 1 d - 1 yr (4	0 °C) pH: 4 - 9
Bioa	ccumulative potentia	al		
Com	ponents:			
1,3-B	enzenediamine, 4-m	ethyl-2	2,6-bis(methylthio)-:	
Bioac	ccumulation	:	Species: Cyprinus carpio (Carp) Method: OECD Test Guideline 305 Remarks: Bioaccumulation is unlik	
	ion coefficient: n- nol/water	:	log Pow: 2.5 (68 °F / 20 °C) Method: OECD Test Guideline 107	,
1,3-B	enzenediamine, 2-m	ethyl-4	l,6-bis(methylthio)-:	
Bioac	ccumulation	:	Species: Cyprinus carpio (Carp) Method: OECD Test Guideline 305 Remarks: Bioaccumulation is unlik	

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	ion coefficient: n- ol/water	:	log Pow: 2.5 (68 °F / 20 °C) Method: OECD Test Guideline 107	
Mobi	lity in soil			
<u>Com</u>	ponents:			
1,3-B	enzenediamine, 4-me	thyl-	2,6-bis(methylthio)-:	
	bution among environ- al compartments	:	log Koc: 3.01 - 3.14 Method: OECD Test Guideline 121 Remarks: Moderately mobile in soils	
1,3-B	enzenediamine, 2-me	thyl-	4,6-bis(methylthio)-:	
	bution among environ- al compartments	:	log Koc: 3.01 - 3.14 Method: OECD Test Guideline 121 Remarks: Moderately mobile in soils	
Othe	r adverse effects			
Prod	uct:			
Ozon	e-Depletion Potential	:	Regulation: 40 CFR Protection of En tection of Stratospheric Ozone - CAA Substances Remarks: This product neither conta tured with a Class I or Class II ODS a Clean Air Act Section 602 (40 CFR 8	A Section 602 Class I ins, nor was manufac- as defined by the U.S.
SECTION	13. DISPOSAL CONS	IDEF	ATIONS	
Dispo	osal methods			
•	e from residues	:	Dispose of contents/ container to an	approved facility in

-	accordance with local, regional, national and international regulations.

Contaminated packaging : Refer to manufacturer/ supplier for information on recovery/ recycling.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number Proper shipping name	-	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine)

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Class Subsidiary risk Packing group Labels		:	9 ENVIRONM. III 9 (ENVIRONM.)	
UN Pro Cla Pao Lab Pao airc Pao ger	cking group	:	UN 3082 Environmentally hazardous substance, I (6-methyl-2,4-bis(methylthio)phenylene 9 III Miscellaneous 964 964 yes	
UN Pro Cla Pac Lab Em Ma	cking group	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SU N.O.S. (6-methyl-2,4-bis(methylthio)phenylene- 9 III 9 F-A, S-F yes "IMDG-Code segregation group not app	1,3-diamine)

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

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good Remarks : Si m

Shipment by ground under DOT is non-regulated; however it may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

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.

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SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Acute toxicity (any route of exposure) Respiratory or skin sensitization
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

1,3-Benzenediamine, 4-	methyl-2,6-bis(methylthio	b)- 102093-68-5
1,3-Benzenediamine, 2-	methyl-4,6-bis(methylthio	b)- 104983-85-9

Maine Chemicals of High Concern

Product does not contain any listed chemicals

according to OSHA Hazard Communication Standard 29CFR 1910.1200 (HCS 2012)



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Vermont Chemicals of High	Co	ncern
Product does not c	onta	ain any listed chemicals
Washington Chemicals of H	ligh	n Concern
Product does not c	onta	ain any listed chemicals
The ingredients of this prod	luct	t are reported in the following inventories:
TCSI	:	On the inventory, or in compliance with the inventory
TSCA	:	All substances listed as active on the TSCA inventory
AICS	:	On the inventory, or in compliance with the inventory
DSL	:	This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.
		proprietary
ENCS	:	Not in compliance with the inventory
ISHL	:	On the inventory, or in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory
NZIoC	:	On the inventory, or in compliance with the inventory
ELINCS	:	On the inventory, or in compliance with the inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

according to OSHA Hazard Communication Standard 29CFR 1910.1200 (HCS 2012)



ETHACURE® 300

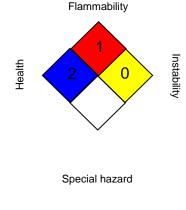
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1.3	11/18/2020	Date of first issue: 11/26/2019	01/27/2022

SECTION 16. OTHER INFORMATION

Further information





HMIS® IV:

HEALTH	1	2
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials: bw - Body weight: CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concern-

according to OSHA Hazard Communication Standard 29CFR 1910.1200 (HCS 2012)



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ing the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance 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

Revision Date : 11/18/2020

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 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.

US / Z8



ETHACURE[®] 300 Curative

Description	ETHACURE 300 curative, a liquid aromatic is an effective curative for polyurethane ca and room-temperature casting. Other use polyurethane-urea and polyurea elastomer structural RIM (SRIM) and hand-applied ar or in blends with ETHACURE 100 Curative	st elastomers. It is used in both hot es include: a slower chain-extender for rs in reaction injection molding (RIM), nd spray coating applications-alone
	CH ₃ S SCH ₃	CH ₃ S H ₂ CH ₃ S H ₂ SCH ₃
	(2, 6-isomer)	(2, 4-isomer)
	Dimethylthiotoluene (Major is CAS 1062	omers)
	3, 5-dimethylthio-2, 3, 5-dimethylthio-2,	
Typical Composition	Dimethylthiotoulenediamine, % Monomethylthiotoulenediamine, %	
Typical Composition		
Typical Composition	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr	2- > 9 < 0.0 clear, yellow liquic 21
	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr °C	2- > 9 < 0.C
	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr °C	2- > 9 < 0.C
	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr °C °F Density, at 20°C [68°F] g/mL	2
	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr °C °F Density, at 20°C [68°F] g/mL Ibs/gal	2
	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr °C °F Density, at 20°C [68°F] g/mL lbs/gal Pour point, °F (°C)	2
	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr °C °F Density, at 20°C [68°F] g/mL lbs/gal Pour point, °F (°C) Flash point, (PMCC), °F (°C)	2
	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr °C °F Density, at 20°C [68°F] g/mL lbs/gal Pour point, °F (°C)	2
	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr °C °F Density, at 20°C [68°F] g/mL lbs/gal Pour point, °F (°C) Flash point, (PMCC), °F (°C) Vapor pressure at 20°C [68°F], mm Hg Viscosity at 20°C [68°F], centistokes Solubility, 20°C, wt %	2
	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr °C °F Density, at 20°C [68°F] g/mL Ibs/gal Pour point, °F (°C) Flash point, (PMCC), °F (°C) Vapor pressure at 20°C [68°F], mm Hg Viscosity at 20°C [68°F], centistokes Solubility, 20°C, wt % Ethanol	2
	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr °C °F Density, at 20°C [68°F] g/mL Ibs/gal Pour point, °F (°C) Flash point, (PMCC), °F (°C) Vapor pressure at 20°C [68°F], mm Hg Viscosity at 20°C [68°F], centistokes Solubility, 20°C, wt % Ethanol Toluene	2
	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr °C °F Density, at 20°C [68°F] g/mL Ibs/gal Pour point, °F (°C) Flash point, (PMCC), °F (°C) Vapor pressure at 20°C [68°F], mm Hg Viscosity at 20°C [68°F], centistokes Solubility, 20°C, wt % Ethanol Toluene Water	2
	Monomethylthiotoulenediamine, % Total diamines, % Water, % Appearance Molecular weight Boiling point, at 16.8 torr °C °F Density, at 20°C [68°F] g/mL Ibs/gal Pour point, °F (°C) Flash point, (PMCC), °F (°C) Vapor pressure at 20°C [68°F], mm Hg Viscosity at 20°C [68°F], centistokes Solubility, 20°C, wt % Ethanol Toluene Water	2

*Darkens with time, upon exposure to air

Container Information Drums:

5-gallon and 55-gallon, non-returnable, steel

Shipping Classification

U.S. DOT: IMCO or ICAO: not regulated in transportation not regulated in transportation

Other Information:

U.S. TSCA Chemical Inventory Number: CAS 106264-79-3

Toxicology

For information on the toxicology and safe handling of this product, refer to the Material Safety Data Sheet. Copies are available upon request.

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patents.



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