

Avicor® 325 75581A Emulsion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/08/2020	000000033957	Date of first issue: 06/08/2020

SECTION 1. IDENTIFICATION

Product name : Avicor® 325 75581A Emulsion

Product code : 000000000021045269

Manufacturer or supplier's details

Company name of supplier : Celanese Ltd. Irving Texas

Address : 222 West Las Colinas Boulevard Suite 900N
Irving TX TX 75039

Telephone : '+1 972-443-4000

E-mail address of person responsible for the SDS : HazCom@celanese.com

Emergency telephone number : DOMESTIC NORTH AMERICA: 800-424-9300 INTERNATIONAL, CALL +1 703-527-3887 (collect calls accepted)

Recommended use of the chemical and restrictions on use

Recommended use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the Hazardous Products Regulations**

Carcinogenicity : Category 2

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H351 Suspected of causing cancer.

Avicor® 325 75581A Emulsion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/08/2020	000000033957	Date of first issue: 06/08/2020

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:
P405 Store locked up.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Water-borne polymer emulsion.

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Copolymer of Vinyl Acetate	25067-01-0	> 50 - < 54
water	7732-18-5	> 42 - < 46
Vinyl acetate	108-05-4	>= 0.25 - < 1

SECTION 4. FIRST AID MEASURES

General advice : Remove contaminated, soaked clothing immediately and dispose of safely

Do not leave the victim unattended.

Avicor® 325 75581A Emulsion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/08/2020	000000033957	Date of first issue: 06/08/2020

If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: Wash off with soap and water. If symptoms persist, call a physician.
In case of eye contact	: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	: Suspected of causing cancer.

SECTION 5. FIREFIGHTING MEASURES

Specific hazards during firefighting	: Do not use a solid water stream as it may scatter and spread fire.
Hazardous combustion products	: Carbon oxides
Specific extinguishing methods	: Do not allow run-off from fire fighting to enter drains or water courses.
Further information	: The product itself does not burn.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

Avicor® 325 75581A Emulsion

Version	Revision Date:	SDS Number:	Date of last issue: -
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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Avoid contact with the skin and the eyes.
Ensure adequate ventilation.
Material can create slippery conditions.
- Environmental precautions : Do not allow material to contaminate ground water system.
Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
Clean contaminated surface thoroughly.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : The product is not flammable.
- Advice on safe handling : For personal protection see section 8.
Use only with adequate ventilation.
Do not breathe vapours or spray mist.
Avoid inhalation, ingestion and contact with skin and eyes.
Smoking, eating and drinking should be prohibited in the application area.
Handle in accordance with good industrial hygiene and safety practice.
- Conditions for safe storage : Store locked up.
Keep tightly closed in a dry and cool place.

Avicor® 325 75581A Emulsion

Version	Revision Date:	SDS Number:	Date of last issue: -
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Protect from frost

To maintain product quality, do not store in heat or direct sunlight.

Agitate before use

Electrical installations / working materials must comply with the technological safety standards.

Observe label precautions.

Recommended storage : 5 - 35 °C
temperature

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Vinyl acetate	108-05-4	TWA	10 ppm 35 mg/m ³	CA AB OEL
		STEL	15 ppm 53 mg/m ³	CA AB OEL
		TWA	10 ppm	CA BC OEL
		STEL	15 ppm	CA BC OEL
		TWAEV	10 ppm 35 mg/m ³	CA QC OEL
		STEV	15 ppm 53 mg/m ³	CA QC OEL
		TWA	10 ppm	ACGIH
		STEL	15 ppm	ACGIH

Avicor® 325 75581A Emulsion

Version	Revision Date:	SDS Number:	Date of last issue: -
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Engineering measures : Local exhaust

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Respirator with filter for organic vapour

Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Remarks : Impervious gloves

Eye protection : Safety glasses with side-shields

Skin and body protection : Impervious clothing

Hygiene measures : General industrial hygiene practice.

Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : milky

Odour : sweet

pH : 4 - 6
Method: ISO 976

Melting point/range : ca. 0 °C

Avicor® 325 75581A Emulsion

Version	Revision Date:	SDS Number:	Date of last issue: -
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Boiling point/boiling range : 100 °C

Flash point : Not applicable

Flammability (solid, gas) : The product is not flammable.

Vapour pressure : 24 hPa (20 °C)

Solubility(ies)
Water solubility : miscible

Viscosity
Viscosity, dynamic : 750 - 1,750 mPa.s (25 °C)
Method: Brookfield Visc. RVT Sp. 2 / 20 r.p.m.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : Stable under recommended storage conditions.
No hazards to be specially mentioned.

Conditions to avoid : Protect from frost, heat and sunlight.

Incompatible materials : Water-reactive substances

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Avicor® 325 75581A Emulsion

Version	Revision Date:	SDS Number:	Date of last issue: -
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Components:**Vinyl acetate:**

Acute oral toxicity : LD50 (Rat): 3,500 mg/kg

Acute inhalation toxicity : LC50 (Rat): 15.81 mg/l

Exposure time: 4 h

Method: Regulation (EC) No. 440/2008, Annex, B.2

Acute dermal toxicity : LD50 (Rabbit, male): 7,440 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:**Vinyl acetate:**

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Components:**Vinyl acetate:**

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

Respiratory or skin sensitisation**Skin sensitisation**

Not classified based on available information.

Avicor® 325 75581A Emulsion

Version	Revision Date:	SDS Number:	Date of last issue: -
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Respiratory sensitisation

Not classified based on available information.

Components:**Vinyl acetate:**

Species: Mouse

Method: OECD Test Guideline 429

Result: Does not cause skin sensitisation.

Germ cell mutagenicity

Not classified based on available information.

Components:**Vinyl acetate:**

Genotoxicity in vitro	:	Test Type: Ames test
		Metabolic activation: with and without metabolic activation
		Method: OECD Test Guideline 471
		Result: negative
	:	Test Type: Chromosome aberration test in vitro
		Species: human lymphoblastoid cells
		Metabolic activation: with and without metabolic activation
		Method: OECD Test Guideline 473
		Result: positive
	:	Method: OECD Test Guideline 487
		Result: positive
Genotoxicity in vivo	:	Test Type: Micronucleus test
		Species: Mouse

Avicor® 325 75581A Emulsion

Version	Revision Date:	SDS Number:	Date of last issue: -
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Method: OECD Test Guideline 474

Result: ambiguous

Species: Mouse

Remarks: negative

Carcinogenicity

Suspected of causing cancer.

Components:**Vinyl acetate:**

Species: Rat

Application Route: Inhalation

Exposure time: 104 weeks

0.176 mg/l

Result: positive

Species: Rat

Application Route: Oral

Exposure time: 104 weeks

31 mg/kg food

Result: positive

Reproductive toxicity

Not classified based on available information.

Components:**Vinyl acetate:**

Effects on fertility : Species: Rat

Application Route: Oral

Avicor® 325 75581A Emulsion

Version	Revision Date:	SDS Number:	Date of last issue: -
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General Toxicity - Parent: NOAEL: 1,000 mg/kg body weight

Method: OECD Test Guideline 416

Result: No toxicity to reproduction

Effects on foetal
development

: Species: Rat

Application Route: Inhalation and oral drinking water

Developmental Toxicity: 200

Method: OECD Test Guideline 414

Result: no adverse developmental effects

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity**Components:****Vinyl acetate:**

Species: Rat

NOAEL: 281 mg/kg

Application Route: Oral

Method: OECD Test Guideline 408

Species: Rat

Application Route: Inhalation

Method: OECD Test Guideline 453

Aspiration toxicity

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Avicor® 325 75581A Emulsion

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Further information**Product:**

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****Vinyl acetate:**

Toxicity to fish : 19 mg/l

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 12.6 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): 12.7 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 0.16 mg/l
Exposure time: 34 d
Method: OECD Test Guideline 210

Toxicity to microorganisms : EC3 (Pseudomonas putida): 6 mg/l
Exposure time: 16 h

Avicor® 325 75581A Emulsion

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Persistence and degradability**Components:****Vinyl acetate:**

Biodegradability : Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: 51 - 62 %
Method: OECD Test Guideline 301C

Bioaccumulative potential**Components:****Vinyl acetate:**

Bioaccumulation : Remarks: Does not bioaccumulate.

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : No data available

Components:**Vinyl acetate:**

Results of PBT and vPvB assessment : The substance does not meet the criteria for PBT / vPvB according to REACH, Annex XIII

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.
Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

Avicor® 325 75581A Emulsion

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SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

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.

National Regulations**TDG**

Not regulated as a dangerous good

TDG

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

NPRI Components : Nonylphenol, branched, ethoxylated
Vinyl acetate

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; 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; CPR - Controlled Products Regulations; 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);

Avicor® 325 75581A Emulsion

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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; 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

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