

DUR-O-SET® SBX Emulsion 252013

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2020/10/29	000000034052	Date of first issue: 2020/10/29

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : DUR-O-SET® SBX Emulsion 252013

Product code : 000000000020000387

Manufacturer or supplier's details

Company : Celanese

Address : Al. Ministro Rocha Azevedo, 38, Cj 102/604
São Paulo – SP - Brasil SP 01410-000

Telephone : +55 11-3147-3370

Emergency telephone number : Local CHEMTREC # : +55 21-3958-1449
Primary International CHEMTREC # : +01 703-741-5970**Recommended use of the chemical and restrictions on use**

Recommended use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification in accordance with ABNT NBR 14725 Standard**

Carcinogenicity : Category 2

GHS label elements in accordance with ABNT NBR 14725 Standard

Hazard pictograms :



Signal word : Warning

Hazard statements : H351 Suspected of causing cancer.

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

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disposal plant.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Water-borne polymer emulsion.

Components

Chemical name	CAS-No.	Classification	Concentration (% w/w)
Polyvinyl acetate polymer	9003-20-7		> 50 -< 54
water	7732-18-5		> 43 -< 47
Vinyl acetate	108-05-4	Flammable liquids, Category 2 Acute toxicity (Inhalation), Category 4 Carcinogenicity, Category 2 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Long-term (chronic) aquatic hazard, Category 3	> 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.

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 : None known.

Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Specific hazards during fire- : Do not use a solid water stream as it may scatter and spread

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fighting	fire.
Hazardous combustion products	: Carbon oxides
Specific extinguishing methods	: Do not allow run-off from fire fighting to enter drains or water courses. The product itself does not burn.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

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.
Hygiene measures	: General industrial hygiene practice. Wash hands before breaks and at the end of workday.
Conditions for safe storage	: Store locked up. Keep tightly closed in a dry and cool place. 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.
Further information on storage conditions	: none
Recommended storage temperature	: 5 - 35 °C

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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	ACGIH
		STEL	15 ppm	ACGIH

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Colour : milky
Odour : sweet
pH : 4,5 - 5,5
Boiling point/boiling range : 100 °C
Flash point : Not applicable
Flammability (solid, gas) : The product is not flammable.
Bulk density : 9,16 Lb/Gal
Viscosity
Viscosity, dynamic : 1.500 mPa.s

SECTION 10. STABILITY AND REACTIVITY

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

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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.

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.

Respiratory sensitisation

Not classified based on available information.

Components:**Vinyl acetate:**

Species : Mouse
Method : OECD Test Guideline 429

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Result : Not a skin sensitizer.

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
Test system: 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
Method: OECD Test Guideline 474
Remarks: ambiguous

Species: Mouse
Result: 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

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Application Route: Oral
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
NOAEL : 0,176 mg/l
Application Route : Inhalation
Method : OECD Test Guideline 453

Aspiration toxicity

Not classified based on available information.

Further information**Product:**

Remarks : No data available

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

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/aquatic plants : EC50 (Pseudokirchneriella subcapitata (microalgae)): 12,7 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

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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

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

Biodegradability : MITI Test
Inoculum: activated sludge
Result: Readily biodegradable.
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.

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

Not regulated as a dangerous good

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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**ANTT**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

National List of Carcinogenic Agents for Humans - (LINACH)

Group 2B: Possibly carcinogenic to humans

Vinyl acetate

108-05-4

Brazil. List of chemicals controlled by the Federal Police : Not applicable

International Regulations

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

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit

AICS - Australian Inventory of Chemical Substances; 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 -

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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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