

SAFETY DATA SHEET

Cassofix FRN300 liq hc

Version 2.0 Revision Date: 07/15/2015 MSDS Number: CLT207131-V2 Date of last issue: 10/08/2013
Date of first issue: 09/12/2013

SECTION 1. IDENTIFICATION

Identification of the company:	Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone No.: +1 707-283-0390
Information of the substance/preparation:	Product Stewardship +1 704-353-4120
Emergency tel. number:	+1 866-928-0789 (NCEC)

Trade name: Cassofix FRN300 liq hc
Material number: 152485
Formula: Mixture
Chemical family: polymer in aqueous dispersion

Recommended use of the chemical and restrictions on use

Recommended use: Textile auxiliary

Recommended restrictions on use: unknown

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin sensitisation : Category 1

Carcinogenicity : Category 2

Specific target organ toxicity
- single exposure : Category 1

GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H370 Causes damage to organs.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read

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and understood.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves.

P281 Use personal protective equipment as required.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P307 + P311 IF exposed: Call a POISON CENTER or doctor/ physician.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

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

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Methanol	67-56-1	2
Formaldehyde	50-00-0	0.5

SECTION 4. FIRST AID MEASURES

If inhaled

: Move the victim to fresh air.
Give oxygen or artificial respiration if needed.
Get immediate medical advice/ attention.
Never give anything by mouth to an unconscious person.

In case of skin contact

: Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

In case of eye contact

: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately if irritation develops and persists.

If swallowed

: If victim is conscious and able to swallow, quickly have victim drink water or milk to dilute. Do not give sodium bicarbonate, fruit juices, or vinegar. Never give anything by mouth if victim is unconscious or having convulsions. Induce vomiting only if advised by physician or poison control center. Call physician

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or poison control center immediately.

Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).
No additional symptoms are known.

Notes to physician : None known.

SECTION 5. FIREFIGHTING MEASURES

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

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Thermal decomposition may produce oxides of carbon, nitrogen and sulfur.

Further information : Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Contain spill. Small spills may be flushed to the sewer or absorbed on suitable absorbants. Larger spills should be collected as liquid or absorbed. Clean-up may be accomplished by flushing with water if appropriate or remove contaminated soils. place in appropriate containers.

Methods and materials for containment and cleaning up : Pick up with absorbent material (eg sand, sawdust). Rinse away rest with water

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid contact with skin and eyes.

Conditions for safe storage : Keep container closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of	Control parameters / Permissible	Basis
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Version 2.0 Revision Date: 07/15/2015 MSDS Number: CLT207131-V2 Date of last issue: 10/08/2013
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		exposure)	concentration	
67-56-1	Methanol	TWA	200 ppm	ACGIH
	Further information: Headache, Nausea, Dizziness, Eye damage, Substances for which there is a Biological Exposure Index or Indices (see BEI® section), Danger of cutaneous absorption			
		STEL	250 ppm	ACGIH
	Further information: Headache, Nausea, Dizziness, Eye damage, Substances for which there is a Biological Exposure Index or Indices (see BEI® section), Danger of cutaneous absorption			
		TWA	200 ppm 260 mg/m3	NIOSH REL
	Further information: Potential for dermal absorption			
		ST	250 ppm 325 mg/m3	NIOSH REL
	Further information: Potential for dermal absorption			
		TWA	200 ppm 260 mg/m3	OSHA Z-1
	Further information: The value in mg/m3 is approximate.			
		TWA	200 ppm 260 mg/m3	OSHA P0
	Further information: Skin notation			
		STEL	250 ppm 325 mg/m3	OSHA P0
	Further information: Skin notation			
50-00-0	Formaldehyde	C	0.3 ppm	ACGIH
	Further information: Eye & Upper Respiratory Tract irritation, Suspected human carcinogen, Sensitizer			
		TWA	0.016 ppm	NIOSH REL
	Further information: Potential Occupational Carcinogen, See Appendix A			
		C	0.1 ppm	NIOSH REL
	Further information: Potential Occupational Carcinogen, See Appendix A, 15 minute ceiling value			
		TWA	0.016 ppm (Formaldehyde)	NIOSH REL
	Further information: Potential Occupational Carcinogen, Formalin is an aqueous solution that is 37% formaldehyde by weight; inhibited solutions usually contain 6-12% methyl alcohol. Also see specific listings for Formaldehyde and Methyl alcohol., See Appendix A			
		C	0.1 ppm (Formaldehyde)	NIOSH REL
	Further information: Potential Occupational Carcinogen, Formalin is an aqueous solution that is 37% formaldehyde by weight; inhibited solutions usually contain 6-12% methyl alcohol. Also see specific listings for Formaldehyde and Methyl alcohol., See Appendix A, 15 minute ceiling value			

Engineering measures : Local ventilation recommended - mechanical ventilation may be used.

SAFETY DATA SHEET

Cassofix FRN300 liq hc

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Personal protective equipment

Respiratory protection : NIOSH approved respirator - chemical cartridge respirator with appropriate cartridge, if required.

Hand protection

Remarks : Butyl Rubber, PVC Or Neoprene.

Eye protection : Tightly fitting safety goggles

Skin and body protection : Wear suitable protective equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid

Colour : amber

Odour : like acetic acid, weakly

Odour Threshold : not determined

pH : 2.5 - 4.5

Freezing point : not determined

Boiling point : approx. 212 °F

Flash point : > 200 °F
Method: TCC

Evaporation rate : not determined

Flammability (solid, gas) : not applicable

Upper explosion limit : not tested.

Lower explosion limit : not tested.

Vapour pressure : not determined

Relative vapour density : not determined

Density : not determined

Solubility(ies)
Water solubility : completely soluble

Partition coefficient: n-octanol/water : not determined

Auto-ignition temperature : not tested.

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Decomposition temperature : no data available

Viscosity

 Viscosity, dynamic : not determined

 Viscosity, kinematic : not determined

Impact sensitivity : not determined

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
Stable

Conditions to avoid : Oxidizer
Alkalis

Incompatible materials : Oxidizing agents
Alkalis

Hazardous decomposition products : When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact
Skin contact
Ingestion
Inhalation
Skin Absorption

Acute toxicity

Product:

Acute oral toxicity : LD50 (rat): Remarks: not tested.

Acute toxicity estimate: 4,000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 40 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

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Components:

67-56-1:

Acute oral toxicity : LD0 (Humans): 428 mg/kg

50-00-0:

Acute oral toxicity : LD50 (rat): 800 mg/kg

Carcinogenicity

IARC

Listed

OSHA

Listed

NTP

Listed

Experience with human exposure

Product:

General Information : The possible symptoms known are those derived from the labelling (see section 2).

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

67-56-1:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 19,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50: > 10,000 mg/l
Exposure time: 24 h

Toxicity to bacteria : IC50 (activated sludge): > 1,000 mg/l
Exposure time: 3 h

Persistence and degradability

Components:

67-56-1:

Biodegradability : Exposure time: 28 d
Method: OECD Test Guideline 301D

Bioaccumulative potential

Components:

67-56-1:

Bioaccumulation : Remarks: Due to the low logPow bioaccumulation is not expected

Partition coefficient: n- : log Pow: -0.77

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SARA 313

: This product contains toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372. Any such toxic chemical(s) are shown below. This information must be included in all MSDS's that are copied and distributed for this material.

Methanol	67-56-1	2 %
Formaldehyde	50-00-0	0.5 %

Clean Water Act

Contains no known priority pollutants at concentrations greater than 0.1%.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECl (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

This product has not been evaluated for FDA regulatory requirements.
Revision Date : 07/15/2015

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.

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