

SAFETY DATA SHEET

CLARIANT^E

HOSTASTAT FE 20 LIQ

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Substance key: SXR024288

Revision Date: 05/17/2024

Version : 6 - 5 / USA

Date of printing :03/12/2025

SECTION 1. IDENTIFICATION

Identification of the company:

Clariant Corporation
500 East Morehead Street
Charlotte, NC, 28202
Telephone No.: +1 704 331 7000

Information of the substance/preparation:

Product Stewardship, +1-704-331-7710
e-mail: SDS.NORAM@clariant.com

Emergency tel. number: +1 800-424-9300 CHEMTREC**Trade name:** HOSTASTAT FE 20 LIQ**Material number:** 107023**Synonyms:** Hostastat FE 20**Primary product use:** Additive**Chemical family:** glycerol fatty acid ester

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitisation : Sub-category 1B

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.

Precautionary statements :

Prevention:

P261 Avoid breathing mist or vapours.

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

P280 Wear protective gloves.

Response:

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.

Disposal:

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

Other hazards

Avoid contact with skin and eyes.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance
Substance name : glycerol fatty acid ester
CAS-No. : Not Assigned

Components

Chemical name	CAS-No.	Concentration (% w/w)
Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]	85029-63-6	>= 90 - <= 100

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : Get medical advice/ attention if you feel unwell.

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 : Remove contaminated clothing. Flush all affected areas with large amounts of water for at least 15 minutes. Seek medical attention immediately.

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 : Get immediate medical advice/ attention.

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 mist

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Foam
Carbon dioxide (CO₂)
Dry powder

- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Emits highly toxic fumes under fire conditions.
- Further information : Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.
- Special protective equipment for firefighters : Self-contained breathing apparatus

Impervious clothing
Protective helmets

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent, and place in a suitable container.
Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.
- Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.
- Methods and materials for containment and cleaning up : Take up mechanically
- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : No special measures necessary.
- Advice on safe handling : Avoid contact with skin, eyes and clothing.
Wash thoroughly after handling.
- Further information on storage conditions : Store in a cool, dry, well-ventilated area. Keep container sealed when not in use.

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Materials to avoid : Do not store with strong oxidizing agents
Do not store or transport together with foodstuffs

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

Contains no substances with occupational exposure limit values.

Engineering measures : A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

Personal protective equipment

Respiratory protection : Use NIOSH/MSHA approved respirators following manufacturer's recommendations where dust or fume may be generated.

Use only in well-ventilated areas.

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

Equipment should conform to EN 14387

If the occupational exposure limits cannot be met, in exceptional cases suitable respiratory equipment should be worn only for a short period of time.

ABEK-P3-filter

Filter type : Organic gas and low boiling vapour type
Organic vapour type

Hand protection
Remarks : Butyl Rubber, PVC Or Neoprene.

Eye protection : Safety glasses with side-shields

Skin and body protection : Impervious protective clothing and chemically resistant footwear should be worn to minimize contact.

Protective measures : Observe the usual precautions for handling chemicals.

Hygiene measures : Observe the usual precautions for handling chemicals.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid

Colour : yellow

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Odour	: not specified
Odour Threshold	: not determined
pH	: no data available
Solidification point	: approx. 68 °F / 20 °C Method: DIN 51583
Melting point	70.9 °F / 21.6 °C (1,014 hPa) Method: OECD Test Guideline 102
Boiling point	: Decomposition: Decomposes below the boiling point. Method: OECD Test Guideline 103
Flash point	: 424 °F / 218 °C (1,013 hPa) Method: ISO 3679
Evaporation rate	: no data available
Flammability (solid, gas)	: Not applicable
Self-ignition	: Not applicable
Upper explosion limit / upper flammability limit	: no data available
Lower explosion limit / Lower flammability limit	: no data available
Vapour pressure	: 0.00586 Pa (68 °F / 20 °C) Method: OECD Test Guideline 104 0.0101 Pa (77 °F / 25 °C) Method: OECD Test Guideline 104 0.118 Pa (122 °F / 50 °C) Method: OECD Test Guideline 104
Relative vapour density	: no data available
Relative density	: 1.00 (68 °F / 20 °C) Method: OECD Test Guideline 109
Density	: 1.00 g/cm ³ (68 °F / 20 °C) Method: OECD Test Guideline 109
Bulk density	: Not applicable
Solubility(ies)	

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Water solubility	:	0.026 g/l slightly soluble (77 °F / 25 °C) pH: 5.6 emulsifiable (68 °F / 20 °C) pH: 6 Method: OECD Test Guideline 105
Solubility in other solvents	:	1,000 g/l (68 °F / 20 °C) Solvent: 1-octanol
Partition coefficient: n-octanol/water	:	Method: EC/440/2008, A.8 cannot be determined log Pow: 4.59 (68 °F / 20 °C) pH: 5.6 Method: Calculated from the solubilities
Auto-ignition temperature	:	707 °F / 375 °C Method: EC/440/2008, A.15
Decomposition temperature	:	No decomposition if used as directed.
Viscosity Viscosity, dynamic	:	approx. 200 mPa.s (122 °F / 50 °C) Method: DIN 53015
Oxidizing properties	:	no data available
Surface tension	:	< 29 mN/m, 68 °F / 20 °C, OECD Test Guideline 115
Metal corrosion rate	:	Not applicable
Particle size	:	Not applicable

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. The substance or mixture does not emit flammable gases in contact with water. Not corrosive to metals
Conditions to avoid	:	None known.
Incompatible materials	:	not known
Hazardous decomposition products	:	The product does not contain any chemical groups which suggest self-reactive properties, nor is the estimated SADT

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less than 75 °C, nor is the exothermic decomposition energy higher than 300 J/g.
When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Skin contact
Eye contact
Inhalation

Acute toxicity**Product:**

Acute oral toxicity : Remarks: not tested.

Acute inhalation toxicity : Remarks: not tested.

Acute dermal toxicity : Remarks: not tested.

Components:**Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:**

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 401
Assessment: The substance or mixture has no acute oral toxicity
Remarks: No adverse effect has been observed in acute toxicity tests.

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

Skin corrosion/irritation**Product:**

Remarks : not tested.

Components:**Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:**

Species : Rabbit
Exposure time : 4 h
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

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Serious eye damage/eye irritation

Product:

Remarks : not tested.

Components:

Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:

Species : Rabbit
Result : No eye irritation
Exposure time : 24 h
Method : OECD Test Guideline 405
GLP : yes

Respiratory or skin sensitisation

Product:

Remarks : not tested.

Components:

Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:

Test Type : Local lymph node assay (LLNA)
Exposure routes : Dermal
Species : Mouse
Method : OECD Test Guideline 429
Result : The product is a skin sensitiser, sub-category 1B.
GLP : yes

Test Type : KeratinoSens assay
Species : Not tested on animals
Method : OECD Test Guideline 442D
Result : The product is a skin sensitiser, sub-category 1B.
GLP : yes

Assessment : May cause an allergic skin reaction.

Germ cell mutagenicity

Product:

Germ cell mutagenicity - Assessment : No information available.

Components:

Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

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Test Type: In vitro gene mutation study in mammalian cells
Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes

Test Type: Chromosome aberration test in vitro
Test system: Human lymphocytes
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
GLP: yes

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects

Carcinogenicity

Product:

Carcinogenicity - Assessment : No information available.

Components:

Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:

Carcinogenicity - Assessment : No information available.

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Components:

Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:

Effects on fertility : Test Type: reproductive and developmental toxicity study
Species: Rat, male and female
Strain: Sprague-Dawley
Application Route: oral (gavage)
Dose: 0, 100, 300, 1000 mg/kg bw/d
Duration of Single Treatment: 37 - 70 d
Frequency of Treatment: 1 daily
General Toxicity - Parent: NOAEL: \geq 1,000 mg/kg body weight

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General Toxicity F1: NOAEL: 1,000 mg/kg body weight
Method: OECD Test Guideline 422
GLP: yes

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

STOT - single exposure**Components:****Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:**

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

STOT - repeated exposure**Components:****Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:**

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

Repeated dose toxicity**Product:**

Remarks : not tested.

Components:**Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:**

Species : Rat, male and female
NOAEL : 1000 mg/kg bw/day
Application Route : oral (gavage)
Exposure time : 37 - 70 d
Number of exposures : daily
Dose : 0, 100, 300, 1000 mg/kg bw/day
Control Group : yes
Method : OECD Test Guideline 422
GLP : yes

Aspiration toxicity**Components:****Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:**

no data available

Experience with human exposure**Product:**

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

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SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish : Remarks: not tested.

Toxicity to daphnia and other :
aquatic invertebrates Remarks: not tested.Toxicity to algae/aquatic :
plants Remarks: not tested.

Toxicity to microorganisms : Remarks: not tested.

Components:**Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:**Toxicity to fish : LC50 (Danio rerio (zebra fish)): 18.53 mg/l
End point: mortality
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yesToxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 26 mg/l
aquatic invertebrates End point: Immobilization
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yesToxicity to algae/aquatic : ErC50 (Pseudokirchneriella subcapitata (algae)): 17.57 mg/l
plants End point: Growth rate
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yesErC10 (Pseudokirchneriella subcapitata (algae)): 4.42 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yesToxicity to fish (Chronic : Remarks: no data available
toxicity)

Toxicity to daphnia and other : Remarks: no data available

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aquatic invertebrates
(Chronic toxicity)

Toxicity to microorganisms : EC50 (activated sludge): 597.1 mg/l
End point: Bacteria toxicity (respiration inhibition)
Exposure time: 3 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 209
GLP: yes

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Persistence and degradability

Product:

Biodegradability : Remarks: not tested.

Components:

Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:

Biodegradability : aerobic
Inoculum: activated sludge
Concentration: 102.5 mg/l
Biochemical oxygen demand
Result: Readily biodegradable.
Biodegradation: 76.5 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
GLP: yes

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: not tested.

Components:

Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:

Partition coefficient: n- : log Pow: 4.59 (68 °F / 20 °C)
octanol/water pH: 5.6
Method: Other
GLP: no

Mobility in soil

Components:

Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:

Distribution among : Medium: Soil
environmental compartments Koc: 107.4 ml/g, log Koc: 2.03

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Method: estimated

Other adverse effects

Product:

Environmental fate and pathways : Remarks: no data available

Additional ecological information : Product is insoluble in water

May be separated mechanically in waste water plants.

Components:

Fatty acids, coco, esters with 3,3'-oxybis[1,2-propanediol]:

Results of PBT and vPvB assessment : The substance is not identified as a PBT or as a vPvB substance.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

RCRA - Resource Conservation and Recovery Act : This product, if discarded as sold, is not a Federal RCRA hazardous waste.

Waste Code : NONE

Waste from residues : Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or landfilled after solidification in permitted systems.

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

SECTION 14. TRANSPORT INFORMATION

DOT not restricted

IATA not restricted

IMDG not restricted

SECTION 15. REGULATORY INFORMATION

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.

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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 : Respiratory or skin sensitisation

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 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 SOCM 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

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

TSCA : On TSCA Inventory, All components are compliant with the TSCA Inventory Notification (Active) rule.

SECTION 16. OTHER INFORMATION

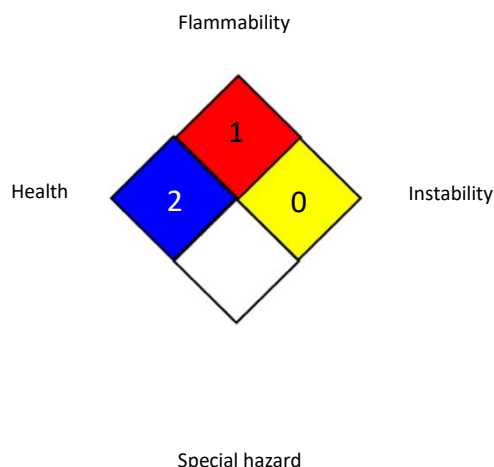
Further information

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NFPA 704:**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; 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 concerning 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; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United

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Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods;
vPvB - Very Persistent and Very Bioaccumulative

None known.

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