

HOSTAVIN 3050 LIQ

Page 1

Substance key: KS13407

Revision Date: 04/11/2015

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SECTION 1. IDENTIFICATION

Identification of the company:	Clariant Produkte (Deutschland) GmbH Frankfurt am Main, 65926 Telephone No.: +49 69 305 18000
Information of the substance/preparation:	Product Safety 1-704-331-7710
Emergency tel. number:	+1 800-424-9300 CHEMTREC

Trade name:	HOSTAVIN 3050 LIQ
Material number:	103419
Synonyms:	Hindered amine derivative
Primary product use:	Class of additive: Light stabilizer
Chemical family:	Mixture of Dodecyl and Tetradecyl 3-(2,2,4,4-tetramethyl-21-oxo-7-oxa-3,20-diazadispiro(5.1.11.2) hencosan-20-yl)propionate

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin irritation : Category 2

GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

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

Other hazards

Avoid contact with skin and eyes.

No additional hazards are known except those derived from the labelling.

HOSTAVIN 3050 LIQ

Page 2

Substance key: KS13407

Revision Date: 04/11/2015

Version : 3 - 0 / USA

Date of printing :08/17/2015

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
Mixture of dodecyl and tetradecyl 3-(2,2,4,4-tetramethyl-21-oxo-7-oxa-3,20-diazadispiro(5.1.11.2) hencicosan-20-yl)propionate	Not Assigned	> 95

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice	: In the case of accident or if you feel unwell, seek medical advice immediately.
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	: Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
If swallowed	: IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting.
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	: Foam Water spray jet Dry powder
Unsuitable extinguishing media	: High volume water jet Carbon dioxide (CO ₂)
Specific hazards during firefighting	: Nitrogen oxides (NO _x) Carbon monoxide Carbon dioxide (CO ₂)

Substance key: KS13407
Version : 3 - 0 / USA

Revision Date: 04/11/2015
Date of printing :08/17/2015

None known.

Further information : Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and protective clothing. Cool containers with water to prevent rupture due to pressure buildup.

Special protective equipment for firefighters : impervious clothing
Protective helmets
Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Avoid contact with skin and eyes.
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 : Do not empty into drains.

Methods and materials for containment and cleaning up : Rinse with water.
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Take precautionary measures against static discharges.

Keep away sources of ignition.

Observe the usual precautionary measures required for the safe handling of organic liquids.

Advice on safe handling : Avoid contact with skin, eyes and clothing.
Wash thoroughly after handling.

Technical measures/Precautions : Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in original container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

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

HOSTAVIN 3050 LIQ

Page 4

Substance key: KS13407

Revision Date: 04/11/2015

Version : 3 - 0 / USA

Date of printing :08/17/2015

Personal protective equipment

Respiratory protection	:	Use NIOSH/MSHA approved respirators following manufacturer's recommendations where dust or fume may be generated.
Hand protection	:	
Break through time	:	60 min
Remarks	:	Nitrile rubber gloves.
Eye protection	:	Safety glasses or chemical splash goggles.
Skin and body protection	:	Wear suitable protective equipment.
Hygiene measures	:	Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid to waxy
Colour	:	brown
Odour	:	not specified
Odour Threshold	:	not determined
pH	:	not tested.
Melting point	:	32 - 45 °C GLP: no
Boiling point	:	276 °C Method: EEC L251,A.2. FOTOCELL DETECTION. 1984 GLP: yes
Flash point	:	124 °C Method: DIN 51758 (closed cup), closed cup
Evaporation rate	:	not tested.
Upper explosion limit	:	not tested.
Lower explosion limit	:	not tested.
Vapour pressure	:	< 0.0000008 hPa (40.7 °C) Method: OECD Test Guideline 104 GLP: yes
Relative vapour density	:	not tested.

HOSTAVIN 3050 LIQ

Page 5

Substance key: KS13407

Revision Date: 04/11/2015

Version : 3 - 0 / USA

Date of printing :08/17/2015

Relative density	: 0.978 (20 °C) Method: Directive 84/449/EEC, A.3
Density	: not determined
Solubility(ies)	
Water solubility	: < 0.0001 g/l (20 °C) Method: EEC L251,A.6. Column elution. 1984 GLP: no
Solubility in other solvents	: miscible (20 °C) Solvent: octanol tech.
Partition coefficient: n-octanol/water	: log Pow: 13.0 - 13.9 (25 °C) GLP: no
Auto-ignition temperature	: not determined
Decomposition temperature	: no data available
Viscosity	
Viscosity, dynamic	: not tested.
Viscosity, kinematic	: not determined
Explosive properties	: Not explosive Method: Regulation (EC) No. 440/2008, A.14 GLP: no
Oxidizing properties	: The substance or mixture is not classified as oxidizing. Method: Directive 84/449/EEC, A.17 GLP: no Method: Expert judgement GLP: no The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.
Surface tension	: not required

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable
Possibility of hazardous	: Reactions with acids and strong oxidising agents.

HOSTAVIN 3050 LIQ

Page 6

Substance key: KS13407

Revision Date: 04/11/2015

Version : 3 - 0 / USA

Date of printing :08/17/2015

reactions	Stable The substance or mixture does not emit flammable gases in contact with water. Not corrosive to metals
Conditions to avoid	: Strong acids and oxidizing agents
Incompatible materials	: not known
Hazardous decomposition products	: At high temperatures: thermal decomposition giving toxic products. Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) The product does not contain any chemical groups which suggest self-reactive properties, nor is the estimated SADT less than 75 °C, nor is the exothermic decomposition energy higher than 300 J/g.

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

Eye contact
Skin contact
Skin Absorption

Acute toxicity**Product:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes

Components:

Mixture of dodecyl and tetradecyl 3-(2,2,4,4-tetramethyl-21-oxo-7-oxa-3,20-diazadispiro(5.1.11.2) hencicosan-20-yl)propionate:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Skin corrosion/irritation**Product:**

Species: Rabbit
Assessment: irritating
Method: OECD Test Guideline 404
Result: irritating
GLP: yes

Serious eye damage/eye irritation**Product:**

HOSTAVIN 3050 LIQ

Page 7

Substance key: KS13407

Revision Date: 04/11/2015

Version : 3 - 0 / USA

Date of printing :08/17/2015

Species: Rabbit
Result: No eye irritation
Assessment: non-irritant
Method: OECD Test Guideline 405
GLP: no

Respiratory or skin sensitisation**Product:**

Test Type: Maurer optimisation test
Species: Guinea pig
Assessment: non-sensitizing
Method: OECD Test Guideline 406
Result: non-sensitizing
GLP: yes

Germ cell mutagenicity**Product:**

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

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse (male and female)
Cell type: Bone marrow cells
Application Route: oral (gavage)
Dose: 5000 mg/kg
Method: OECD Test Guideline 474
Result: negative
GLP: yes

Germ cell mutagenicity - Assessment : It is concluded that the product is not mutagenic based on evaluation of several mutagenicity tests.

Carcinogenicity

IARC Not listed

OSHA Not listed

NTP Not listed

Experience with human exposure**Product:**

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

HOSTAVIN 3050 LIQ

Page 8

Substance key: KS13407

Revision Date: 04/11/2015

Version : 3 - 0 / USA

Date of printing :08/17/2015

Further information**Product:**

Remarks: Can be absorbed through skin.

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

- Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 2 mg/l
Exposure time: 96 h
Method: Directive 67/548/EEC, Annex V, C.1.
GLP: no
- Toxicity to daphnia and other aquatic invertebrates : EC0 (Daphnia magna (Water flea)): 40 mg/l
Exposure time: 24 h
Method: OECD Test Guideline 202
GLP: no
- EC50 (Daphnia magna (Water flea)): 131.7 mg/l
Exposure time: 24 h
Method: OECD Test Guideline 202
GLP: no
- EC100 (Daphnia magna (Water flea)): 180 mg/l
Exposure time: 24 h
Method: OECD Test Guideline 202
GLP: no
- Toxicity to soil dwelling organisms : Test Type: artificial soil
LC50 (Eisenia fetida (earthworms)): > 1,000 mg/kg
Exposure time: 14 d
Method: OECD 207. 1984. ARTIFICIAL SOIL TEST
GLP: yes

Persistence and degradability**Product:**

- Biodegradability : Inoculum: domestic sewage
COD decrease
Result: Not biodegradable
Method: OECD Test Guideline 301F
GLP: no
Remarks: Not readily biodegradable.
- Biochemical Oxygen Demand (BOD) : 159 mg/g
Incubation time: 5 d
- Chemical Oxygen Demand (COD) : 1,950 mg/g

MATERIAL SAFETY DATA SHEET



HOSTAVIN 3050 LIQ

Page 9

Substance key: KS13407

Revision Date: 04/11/2015

Version : 3 - 0 / USA

Date of printing :08/17/2015

BOD/COD : BOD/COD: 8.2 %

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: not available

Mobility in soil

no data available

Other adverse effects

Product:

Environmental fate and pathways : Remarks: no data available

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

RCRA - Resource Conservation and Recovery Act : No -- Not as sold.

Waste from residues : Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

Contaminated packaging : Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT not restricted

IATA

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.
Class: 9
Packing group: III
UN/ID number: UN 3082
Primary risk: 9
Remarks: Shipment permitted
Hazard inducer(s): Propionic acid ester derivatives

IMDG

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.
Class: 9
Packing group: III
UN no.: UN 3082
Primary risk: 9
Hazard inducer(s): Propionic acid ester derivatives

HOSTAVIN 3050 LIQ

Page 10

Substance key: KS13407

Revision Date: 04/11/2015

Version : 3 - 0 / USA

Date of printing :08/17/2015

Marine pollutant: Marine Pollutant
EmS: F-A S-F

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****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 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

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), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION**Further information**

This product is not readily biodegradable in a wastewater treatment system and is highly toxic to aquatic life. The preferred method of disposal is incineration.

Revision Date : 04/11/2015

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these

MATERIAL SAFETY DATA SHEET



HOSTAVIN 3050 LIQ

Page 11

Substance key: KS13407

Revision Date: 04/11/2015

Version : 3 - 0 / USA

Date of printing :08/17/2015

recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.

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