Substance key: KS13298	Revision Date: 07/21/2015
Version : 2 - 1 / USA	Date of printing :08/17/2015

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 3212 LIQ**
Material number:	103422
Synonyms:	oxalamide derivative
Primary product use:	Class of additive: Light stabilizer
Chemical family:	Oxalamide derivative, Sterically hindered amine light stabilizer (HALS) dissolved in Xylene

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids	:	Category 3
Acute toxicity (Inhalation)	:	Category 4
Acute toxicity (Dermal)	:	Category 4
Skin irritation	:	Category 2
Specific target organ toxicity - repeated exposure	:	Category 2 (Kidney, Liver, Central nervous system)
Aspiration hazard	:	Category 1

GHS Label element

Hazard pictograms :

Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 + H332 Harmful in contact with skin or if inhaled
H315 Causes skin irritation.
H373 May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.

Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P314 Get medical advice/ attention if you feel unwell.
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Xylene	1330-20-7	13.8 - 15
Mixture of dodecyl and tetradecyl 3-(2,2,4,4-tetramethyl-21-oxo-7-oxa-3 ,20-diazadispiro(5.1.11.2) henicosan-20-yl)propionate	Not Assigned	26 - 31

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

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	:	Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
If swallowed	:	Do NOT induce vomiting. 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 Foam Dry powder
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Nitrogen oxides (NOx) Carbon dioxide (CO2) The product vapours are heavier than air. Vapours may spread long distances and ignite. Keep away from open flames, hot surfaces and sources of ignition.
Further information	:	Wear self-contained breathing apparatus. Solvent floats on water, the use of foam is advisable. Cool containers with fog spray. Primary flammable hazard is xylene. Keep away from sources of ignition.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and	:	Wear suitable protective equipment. Contain spill. Prevent sources of ignition. Wear appropriate

emergency procedures		respiratory protection and proper protective equipment. Ventilate if in enclosed area. Recover as liquid using hand or explosion proof pump or use suitable absorbant to collect. Clean up by flushing with water if appropriate or removal of contaminated soils.
Environmental precautions	:	Do not allow to enter drains or waterways
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.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
Advice on safe handling	:	Avoid breathing vapours. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.
Technical measures/Precautions	:	Store in a cool, dry location away from heat, sparks and open flames. Store in original container. Keep container tightly closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Xylene	1330-20-7	TWA	100 ppm	ACGIH
	Further information: Eye & Upper Respiratory Tract irritation, Central Nervous System impairment, Substances for which there is a Biological Exposure Index or Indices (see BEI® section), Not classifiable as a human carcinogen			
		STEL	150 ppm	ACGIH
	Further information: Eye & Upper Respiratory Tract irritation, Central Nervous System impairment, Substances for which there is a Biological Exposure Index or Indices (see BEI® section), Not classifiable as a human carcinogen			
		TWA	100 ppm 435 mg/m3	OSHA Z-1
	Further information: The value in mg/m3 is approximate.			
		TWA	100 ppm 435 mg/m3	OSHA P0
		STEL	150 ppm 655 mg/m3	OSHA P0

		STEL	150 ppm 655 mg/m3	OSHA P0
		TWA	100 ppm 435 mg/m3	OSHA P0

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

Personal protective equipment

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

Hand protection
Remarks : Butyl Rubber, PVC Or Neoprene.

Eye protection : Safety glasses or chemical splash goggles.

Skin and body protection : Wear suitable protective equipment.

Hygiene measures : Avoid contact with skin and eyes.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid

Colour : light yellow

Odour : not specified

Odour Threshold : not determined

pH : Not applicable

Melting point : not determined

Boiling point : > 135 °C
(1,013 hPa)

Flash point : 42.5 °C
(1,013 hPa)
Method: DIN 51758 (closed cup)
GLP: no

Evaporation rate : not tested.

Flammability (solid, gas) : Not applicable

Upper explosion limit : not tested.

Lower explosion limit	:	not tested.
Vapour pressure	:	not tested.
Relative vapour density	:	not tested.
Density	:	ca. 1.003 g/cm3 (20 ℃, 1,013 hPa) Method: DIN EN ISO 15212-1
Solubility(ies)		
Water solubility	:	insoluble
Solubility in other solvents	:	not tested. Solvent: fat
Partition coefficient: n-octanol/water	:	not tested.
Auto-ignition temperature	:	not tested.
Decomposition temperature	:	no data available
Viscosity		
Viscosity, dynamic	:	ca. 2,800 mPa.s (20 ℃) Method: calculated
Viscosity, kinematic	:	> 1000 mm2/s (40 ℃) Method: calculated

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable
Possibility of hazardous reactions	:	Reactions with strong oxidising agents. Stable
Conditions to avoid	:	None known.
Incompatible materials	:	not known
Hazardous decomposition products	:	Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Skin contact
Inhalation

Acute toxicity

Product:

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: 1999/45/EC
Acute inhalation toxicity	:	Acute toxicity estimate: 15.28 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: 1,528 mg/kg Method: Calculation method

Components:

Xylene:

Acute oral toxicity	:	LD50 (Rat, male and female): 3523 - > 4000 mg/kg Method: EC Directive 92/69/EEC B.1 Acute Toxicity (Oral) GLP: no
Acute inhalation toxicity	:	LC50 (Rat, male): 27.571 mg/l Exposure time: 4 h Method: Directive 84/449/EEC, B.2 GLP: No information available.
Acute dermal toxicity	:	Other (Rabbit, male): > 4,200 mg/kg Method: Other GLP: No information available.

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

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

Skin corrosion/irritation

Product:

Species: Rabbit
Assessment: irritating
Method: 1999/45/EC
Result: irritating

Components:

Xylene:
Species: Rabbit
Method: Other
Result: Mild skin irritation
GLP: No information available.

Serious eye damage/eye irritation

Product:

Species: Rabbit
Result: No eye irritation
Assessment: non-irritant
Method: 1999/45/EC

Components:

Xylene:
Species: rabbit eye
Result: slight irritation
Method: Other
GLP: No information available.

Respiratory or skin sensitisation

Components:

Xylene:
Test Type: Mouse local lymphnode assay
Exposure routes: Skin contact
Species: Mouse
Method: OECD Test Guideline 429
Result: non-sensitizing
GLP: No information available.

Germ cell mutagenicity

Components:

Xylene:

Genotoxicity in vitro : Test Type: sister chromatid exchange assay
Species: Chinese hamster ovary cells
Concentration: 5 - 50 µg/ml
Metabolic activation: with and without
Method: Other
Result: negative
GLP: No information available.

: Test Type: Chromosome aberration test in vitro
Species: Chinese hamster ovary cells
Concentration: 15,1 - 100,5 µg/ml
Metabolic activation: with and without
Method: Directive 84/449/EEC, B.10
Result: negative
GLP: No information available.

Genotoxicity in vivo : Test Type: dominant lethal test
Species: Mouse (male and female)
Strain: Swiss Webster
Application Route: subcutaneous
Exposure time: single injection
Dose: 1 ml/kg

Method: OECD Test Guideline 478
Result: negative
GLP: no

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

Carcinogenicity

Components:

Xylene:

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

IARC Not listed

OSHA Not listed

NTP Not listed

Reproductive toxicity

Components:

Xylene:

Effects on fertility :

Test Type: Two generation study
Species: Rat
Sex: male and female
Dose: 25 - 100 - 500 ppm
Frequency of Treatment: 6 h/day
Application Route: Inhalation
Group: yes
NOAEL: >= 2.171 mg/l,
F1: >= 2.171 mg/l,
F2: >= 2.171 mg/l,
Method: Other
GLP: No information available.
Remarks: By analogy with a product of similar composition

Effects on foetal development : Species: Rat
Application Route: Inhalation
Exposure time: day 6 - 20 of gestation
Dose: 100 - 500 - 1000 - 2000 ppm
Group: yes
>= 8.684 mg/l
2.171 mg/l
Number of exposures: 6 h/day
Test period: 21 d
Method: OECD Test Guideline 414
GLP: No information available.

Reproductive toxicity - Assessment : Classification as "toxic for reproduction" is not justifiable.
Classification as "teratogenic" is not justifiable.

STOT - single exposure

Components:

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

STOT - repeated exposure

Components:

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

Repeated dose toxicity

Components:

Xylene:
Species: Rat, male and female
NOAEL: 250 mg/kg
Application Route: oral (gavage)
Exposure time: 103 w
Number of exposures: Once daily (5 days/week).
Dose: 250 - 500 mg/kg
Group: yes
Method: Other
GLP: No information available.

Species: Rat, male and female
NOAEL: 150 mg/kg
LOAEL: 150 mg/kg
Application Route: oral (gavage)
Exposure time: 90 d
Number of exposures: once daily
Dose: 150 - 750 - 1500 mg/kg
Group: yes
Method: OECD Test Guideline 408
GLP: No information available.

Species: Rat, male
NOAEL: >= 3.515 mg/l
Application Route: Inhalation
Exposure time: 13 w
Number of exposures: 6 hours/day, 5 days/week
Dose: 781 - 1996 - 3515 mg/m3
Group: yes
Method: Other
GLP: No information available.

Application Route: Skin contact
Remarks: This information is not available.

Aspiration toxicity

Components:

Xylene:
May be fatal if swallowed and enters airways.

Experience with human exposure

Product:

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

Further information

Product:

Remarks: Can be absorbed through skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish :
Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates :
Remarks: no data available

Ecotoxicology Assessment
Acute aquatic toxicity : no data available

Components:

Xylene:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.6 mg/l
Exposure time: 96 h
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 203
GLP: No information available.
Remarks: By analogy with a product of similar composition

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): ca. 1 mg/l
Exposure time: 24 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: No information available.
Remarks: By analogy with a product of similar composition

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): 4.36 mg/l

End point: Growth rate
Exposure time: 73 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes
Remarks: By analogy with a product of similar composition

NOEC (Pseudokirchneriella subcapitata (green algae)): 0.44 mg/l
Exposure time: 73 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes
Remarks: By analogy with a product of similar composition

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): > 1.3 mg/l
Exposure time: 56 d
Test Type: flow through
Analytical monitoring: yes
Method: Other
GLP: no

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (other aquatic crustacea): 0.96 - 1.17 mg/l
Exposure time: 7 d
End point: Reproduction rate
Test Type: semi-static test
Analytical monitoring: yes
Method: Other
GLP: no
Remarks: By analogy with a product of similar composition

Toxicity to bacteria : EC50 (activated sludge, domestic): > 157 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
Remarks: By analogy with a product of similar composition
The details of the toxic effect relate to the nominal concentration.

Toxicity to soil dwelling organisms : Remarks: Not applicable

Plant toxicity : EC50 (Lactuca sativa (lettuce)): ca. > 1 mg/kg
>1 milligram per kilogram
Exposure time: 14 d
End point: Growth
Analytical monitoring: yes
Method: OECD Guide-line 208

GLP: No information available.
Remarks: By analogy with a product of similar composition

Sediment toxicity : Remarks: Not applicable

Toxicity to terrestrial organisms : Remarks: Not applicable

Persistence and degradability

Product:

Biodegradability : Remarks: This property is substance-specific and therefore cannot be given for the preparation.

Components:

Xylene:

Biodegradability : aerobic
Inoculum: activated sludge, domestic, non-adapted
Concentration: 41 mg/l
BOD in % of theoretical OD
Result: Readily biodegradable
Biodegradation: 87.8 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
GLP: yes

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: not available

Components:

Xylene:

Bioaccumulation : Species: Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): 7.2 - 25.9
Exposure time: 56 d
Concentration: 0.36 - 0.74 mg/l
Method: Other
GLP: No information available.

Mobility in soil

Components:

Xylene:

Distribution among environmental compartments : Adsorption/Soil
Medium: water - soil
log Koc: 2.73
Method: OECD Test Guideline 121

Other adverse effects

Product:

Environmental fate and pathways : Remarks: no data available

Results of PBT and vPvB assessment : Remarks: no data available

Components:

Xylene:

Environmental fate and pathways : not available

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

Additional ecological information : Do not allow to enter ground water, waterways or waste water.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

RCRA - Resource Conservation and Recovery Authorization Act : Yes -- If it becomes a waste as sold.

Waste Code : D001

Waste from residues : This product may yield waste subject to the RCRA land disposal restrictions found at 40 CFR 268. These wastes must be treated according to the treatment standards at 40 CFR 268 subpart D before land disposal.

Contaminated packaging : Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Regulation:

Proper shipping name:	Flammable liquids, n.o.s.
Hazard class:	3
Packing group:	III
UN/NA-number:	UN 1993
Primary hazard class:	3
Technical Name:	Xylene STERICALLY HINDERED AMINE
Emergency Response Guide:	128
Reportable Quantity:	302.500 kg Xylene

IATA

Proper shipping name:	Flammable liquid, n.o.s.
Class:	3
Packing group:	III
UN/ID number:	UN 1993
Primary risk:	3
Remarks:	Shipment permitted
Hazard inducer(s):	Xylene STERICALLY HINDERED AMINE

IMDG

Proper shipping name:	Flammable liquid, n.o.s.
Class:	3
Packing group:	III
UN no.:	UN 1993
Primary risk:	3
Hazard inducer(s):	Xylene STERICALLY HINDERED AMINE
Marine pollutant:	Marine Pollutant
EmS:	F-E S-E

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Xylene	1330-20-7	100	694

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
Chronic Health Hazard
Fire Hazard

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

SARA 313 : This product contains the chemical or chemicals listed below which are subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 ("SARA") and the requirements of 40 CFR Part 372:

Xylene	1330-20-7	15 %

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), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

None known.

Revision Date : 07/21/2015

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 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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