

## NYLOSTAB S-EED FF

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Substance key: 000000443241

Revision Date: 10/27/2017

Version : 1 - 11 / USA

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## SECTION 1. IDENTIFICATION

<b>Identification of the company:</b>	Clariant Plastics & Coating USA Inc. 4000 Monroe Road Charlotte, NC, 28205 Telephone No.: +1 704 331 7000
<b>Information of the substance/preparation:</b>	Product Stewardship +1-704-331-7710
<b>Emergency tel. number:</b>	+1 800-424-9300 CHEMTREC

<b>Trade name:</b>	<b>NYLOSTAB S-EED FF</b>
<b>Material number:</b>	242848
<b>CAS number:</b>	42774-15-2
<b>Chemical family:</b>	N,N'-Bis-2,2,6,6-tetramethyl-4-piperidinyl-1,3-benzenedicarboxamid

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with 29 CFR 1910.1200**

Acute toxicity (Oral) : Category 4

Eye irritation : Category 2A

Combustible dust

**GHS label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H302 Harmful if swallowed.  
H319 Causes serious eye irritation.  
May form combustible dust concentrations in air.Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear eye protection/ face protection.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P243 Take precautionary measures against static discharge.

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**Response:**

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

**Disposal:**

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

**Other hazards**

None known.

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

Substance / Mixture	:	Substance
Substance name	:	N,N'-Bis-2,2,6,6-tetramethyl-4-piperidiny-1,3-benzene dicarboxamide
CAS-No.	:	42774-15-2

**Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4-piperidiny)-	42774-15-2	<= 100

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, DO NOT induce vomiting. Do not give anything to drink. Call a physician immediately.

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- 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.

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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Foam  
Water spray jet  
Dry powder
- Unsuitable extinguishing media : High volume water jet  
Carbon dioxide (CO<sub>2</sub>)
- Specific hazards during firefighting : Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)
- Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.  
Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.
- 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 : Wear personal protective equipment.  
In the event of fire, wear self-contained breathing apparatus.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.  
Wearing appropriate personal protective equipment, contain spill and collect into a suitable container.  
Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.
- Environmental precautions : Do not allow to enter drains or waterways
- Methods and materials for containment and cleaning up : Use mechanical handling equipment.  
Keep in suitable, closed containers for disposal.

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**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Dust can form an explosive mixture in air.  
Take measures to prevent the build up of electrostatic charge.

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Keep away from heat and sources of ignition.

Advice on safe handling : Avoid dust formation. Keep away from sources of ignition. Lead off electrostatic charges. Avoid inhalation, ingestion and contact with skin and eyes. Wash thoroughly after handling.

Technical measures/Precautions : Store in a cool, dry, well-ventilated area. Keep container sealed when not in use.

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

**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 : Nitrile rubber gloves.

Eye protection : Safety glasses or chemical splash goggles.

Skin and body protection : Wear suitable protective equipment.

Protective measures : Do not breathe dust.  
Avoid contact with skin.

Hygiene measures : Avoid contact with eyes.  
Use only in area provided with appropriate exhaust ventilation.  
When using do not eat, drink or smoke.  
Wash hands before breaks and at the end of workday.  
Use protective skin cream before handling the product.  
Take off immediately all contaminated clothing and wash it before reuse.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : solid

Colour : white

Odour : not specified

Odour Threshold : not determined

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pH	:	approximately 10 (30 °C) Method: saturated aqueous solution
Melting point	:	approx. 268 - 275 °C Method: DIN 53181 GLP: no
Boiling point	:	(1,013 hPa) GLP: no Decomposes below the boiling point.
Flash point	:	not tested.
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	not highly flammable Method: 92/69/EC (L383) A.10 * flammability (solids) GLP: yes
Self-ignition	:	> 400 °C Method: Directive 67/548/EEC, Annex V, A.16 GLP: no The substance or mixture is not classified as self heating.
Burning number	:	2 (20 °C) Method: VDI 2263-1 GLP: yes Short flaring up without spreading  2 (100 °C) Method: VDI 2263-1 GLP: yes Short flaring up without spreading
Upper explosion limit / upper flammability limit	:	not tested.
Lower explosion limit / Lower flammability limit	:	not tested.
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Density	:	1.119 g/cm <sup>3</sup> (20.2 °C) Method: OECD Test Guideline 109 GLP: yes
Solubility(ies) Water solubility	:	0.139 g/l insoluble (30 °C) Method: OECD Test Guideline 105 GLP: yes

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Partition coefficient: n-octanol/water	:	log Pow: 1.12 (20 °C) Method: OECD Test Guideline 107
Auto-ignition temperature	:	not determined
Decomposition temperature	:	> 400 °C Method: dynamic decomposition test
		150 °C Method: isoperibolic decomposition test open cup
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive Method: Directive 84/449/EEC, A.14 GLP: yes
Oxidizing properties	:	The substance or mixture is not classified as oxidizing. Method: Tested according to Directive 92/69/EEC. GLP: yes The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.
Surface tension	:	69.7 N/m, 111 mg/l, OECD Test Guideline 115, GLP: yes  70.5 N/m, 97 mg/l, OECD Test Guideline 115, GLP: yes
Conductivity	:	< 10,000 µS/cm (26 °C)
Molecular weight	:	no data available
Particle size	:	500 - 2,000 µm Method: Sieve analysis

**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. Risk of dust explosion. The substance or mixture does not emit flammable gases in contact with water. Not corrosive to metals
Conditions to avoid	:	None known.

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Incompatible materials	:	not known
Hazardous decomposition products	:	When used and handled as intended, none. 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  
Inhalation

**Acute toxicity****Product:**

Acute oral toxicity	:	LD50 (Rat, male and female): 1,253 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	:	Remarks: no data available
Acute dermal toxicity	:	LD50 (Rat, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidiny)-:**

Acute oral toxicity	:	LD50 (Rat, male and female): 1,253 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	:	Remarks: no data available
Acute dermal toxicity	:	LD50 (Rat, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402

**Skin corrosion/irritation****Product:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidiny)-:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

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

Species: rabbit eye  
Result: Eye irritation  
Method: OECD Test Guideline 405

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidinyl)-:**

Species: rabbit eye  
Result: Eye irritation  
Method: OECD Test Guideline 405

**Respiratory or skin sensitisation****Product:**

Species: Guinea pig  
Assessment: Does not cause skin sensitisation.  
Method: OECD Test Guideline 406  
GLP: yes

Assessment: Harmful if swallowed., Causes serious eye irritation.

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidinyl)-:**

Assessment: Harmful if swallowed., Causes serious eye irritation.

**Germ cell mutagenicity****Product:**

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

Test Type: Mammalian cell gene mutation assay  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative

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

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



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Assessment

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidinyl)-:**

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

Test Type: Mammalian cell gene mutation assay  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative

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

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

**Carcinogenicity****Product:**

Carcinogenicity - Assessment : No information available.

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidinyl)-:**

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****Product:**

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- Effects on fertility : Test Type: Fertility  
Species: Rat, male and female  
Strain: Sprague-Dawley  
Application Route: oral (gavage)  
General Toxicity - Parent: NOAEL: 540 mg/kg body weight  
General Toxicity F1: NOAEL: 540 mg/kg body weight  
Method: OECD Test Guideline 415
- Effects on foetal development : Species: Rat, male and female  
Strain: Sprague-Dawley  
Application Route: oral (gavage)  
General Toxicity Maternal: NOAEL: 250 mg/kg body weight  
Embryo-foetal toxicity: NOAEL: >= 1,000 mg/kg body weight  
Method: OECD Test Guideline 414

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidiny)-:**

- Effects on fertility : Test Type: Fertility  
Species: Rat, male and female  
Strain: Sprague-Dawley  
Application Route: oral (gavage)  
General Toxicity - Parent: NOAEL: 540 mg/kg body weight  
General Toxicity F1: NOAEL: 540 mg/kg body weight  
Method: OECD Test Guideline 415
- Effects on foetal development : Species: Rat, male and female  
Strain: Sprague-Dawley  
Application Route: oral (gavage)  
General Toxicity Maternal: NOAEL: 250 mg/kg body weight  
Embryo-foetal toxicity: NOAEL: >= 1,000 mg/kg body weight  
Method: OECD Test Guideline 414

**STOT - single exposure****Product:**

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

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidiny)-:**

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

**STOT - repeated exposure****Product:**

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

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**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidiny)-:**

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

**Repeated dose toxicity****Product:**

Species: Rat, male and female

NOEL: 450 mg/kg

Application Route: oral (gavage)

Method: OECD Test Guideline 408

Repeated dose toxicity - : Harmful if swallowed., Causes serious eye irritation.  
Assessment

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidiny)-:**

Species: Rat, male and female

NOEL: 450 mg/kg

Application Route: oral (gavage)

Method: OECD Test Guideline 408

Repeated dose toxicity - : Harmful if swallowed., Causes serious eye irritation.  
Assessment

**Aspiration toxicity****Product:**

No aspiration toxicity classification

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidiny)-:**

No aspiration toxicity classification

**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 : LC50 (Oryzias latipes (Japanese medaka)): > 110 mg/l  
End point: mortality

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- Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 15 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 52 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- Toxicity to fish (Chronic toxicity) : Remarks: no data available
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 10 mg/l  
End point: Reproduction rate  
Exposure time: 21 d  
Test Type: semi-static test  
Method: OECD Test Guideline 211
- Toxicity to microorganisms : EC50 (activated sludge): 1,250 mg/l  
Exposure time: 3 h  
Test Type: static test  
Method: OECD Test Guideline 209
- Toxicity to soil dwelling organisms : (Eisenia fetida (earthworms)): > 1,000 mg/kg  
Exposure time: 14 d  
End point: mortality  
Method: OECD Test Guideline 207

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidinyl)-:**

- Toxicity to fish : LC50 (Oryzias latipes (Japanese medaka)): > 110 mg/l  
End point: mortality  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 15 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 52 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- Toxicity to fish (Chronic toxicity) : Remarks: no data available

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- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 10 mg/l  
End point: Reproduction rate  
Exposure time: 21 d  
Test Type: semi-static test  
Method: OECD Test Guideline 211
- Toxicity to microorganisms : EC50 (activated sludge): 1,250 mg/l  
Exposure time: 3 h  
Test Type: static test  
Method: OECD Test Guideline 209
- Toxicity to soil dwelling organisms : (Eisenia fetida (earthworms)): > 1,000 mg/kg  
Exposure time: 14 d  
End point: mortality  
Method: OECD Test Guideline 207

**Persistence and degradability****Product:**

- Biodegradability : Test Type: aerobic  
Result: Not readily biodegradable.  
Biodegradation: 3 % (Carbon dioxide (CO<sub>2</sub>))  
Exposure time: 28 d  
Method: OECD Test Guideline 301B
- Result: Not readily biodegradable.  
Exposure time: 14 d  
Method: OECD Test Guideline 301C

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidiny)-:**

- Biodegradability : Result: Not biodegradable  
Biodegradation: 3 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

**Bioaccumulative potential****Product:**

- Bioaccumulation : Species: Cyprinus carpio (Carp)  
Bioconcentration factor (BCF): <= 0.26  
Exposure time: 28 d  
Method: OECD Test Guideline 305  
GLP: yes  
Remarks: Does not bioaccumulate.

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidiny)-:**

- Partition coefficient: n-octanol/water : log Pow: 1.12 (20 °C)

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**Mobility in soil****Product:**

Distribution among environmental compartments : Koc: 97  
Method: calculated

**Components:****1,3-Benzenedicarboxamide, N,N'-bis(2,2,6,6-tetramethyl-4- piperidinyl)-:**

Distribution among environmental compartments : Koc: 97  
Method: calculated

**Other adverse effects****Product:**

Environmental fate and pathways : Remarks: no data available

Additional ecological information : no data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

RCRA - Resource Conservation and Recovery Act  
Waste from residues : No -- Not as sold.  
: Can be landfilled or incinerated, when in compliance with local regulations.  
Contaminated packaging : Dispose of in accordance with local regulations.

**SECTION 14. TRANSPORT INFORMATION**

DOT not restricted  
IATA not restricted  
IMDG not restricted

**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.

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**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 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 Water Act**

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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

TSCA : On TSCA Inventory

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

AICS - Australian Inventory of Chemical Substances; 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; KECl - 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; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations

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

Handle with care. Organic dusts have the potential to be explosive with static spark or flame initiation.

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This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE. Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

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