

| Versic 11.0 | on Revision Date: 11/05/2020 | | DS Number: 50346-00038 | Date of last issue: 10/01/2020 Date of first issue: 02/27/2017 |
|----------------|---------------------------------|------|---|---|
| SECT | ION 1. IDENTIFICATION | | | |
| Р | roduct name | : | Zelan™ R3 | |
| Р | Product code | : | D15341709 | |
| S | DS-Identcode | : | 130000137177 | |
| N | lanufacturer or supplier's (| deta | ails | |
| | company name of supplier | : | The Chemours C | ompany FC, LLC |
| A | ddress | : | 1007 Market Stre Wilmington, DE 1 | et 9801 United States of America (USA) |
| Т | elephone | : | 1-844-773-CHEM | (outside the U.S. 1-302-773-1000) |
| E | mergency telephone | : | | cy: 1-866-595-1473 (outside the U.S. 1-302- nsport emergency: +1-800-424-9300 (outside 527-3887) |
| R | ecommended use of the c | hen | nical and restriction | ons on use |
| R | ecommended use | : | Intermediate | |
| R | estrictions on use | : | tions involving im internal body fluid written agreemen | only. ell Chemours™ materials in medical applica- plantation in the human body or contact with ls or tissues unless agreed to by Seller in a t covering such use. For further information, ur Chemours representative. |

SECTION 2. HAZARDS IDENTIFICATION

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

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Additional Labeling

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 17.186 %

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture



Zelan™ R3

| Version 11.0 | Revision Date: 11/05/2020 | | S Number: 50346-00038 | | e of last issue: 10/01/2020 e of first issue: 02/27/2017 | | | |
|-----------------|---|---|---|---------|---|--|--|--|
| Co | Components | | | | | | | |
| Che | emical name | | CAS-No. | | Concentration (% w/w) | | | |
| mo | 3- methylamino)propyl]steara noacetate ual concentration is withhe | | 13282-70-7 | | >= 0.1 - < 1 | | | |
| | ON 4. FIRST AID MEASUR | | | | | | | |
| lf ir | haled | : | If inhaled, remove Get medical atter | | esh air. f symptoms occur. | | | |
| In c | case of skin contact | | | | soap as a precaution. f symptoms occur. | | | |
| In c | case of eye contact | | Flush eyes with v Get medical atter | | as a precaution. f irritation develops and persists. | | | |
| lf s | wallowed | | If swallowed, DO Get medical atter Rinse mouth thor | ntion i | f symptoms occur. | | | |
| and | st important symptoms d effects, both acute and ayed | | tearing Redness Discomfort | prov | oke the following symptoms oke the following symptoms: | | | |
| Pro | tection of first-aiders | : | No special preca | utions | are necessary for first aid responders. | | | |
| Not | tes to physician | : | Treat symptomat | ically | and supportively. | | | |

SECTION 5. FIRE-FIGHTING MEASURES

| Suitable extinguishing media | : | Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical |
|---------------------------------------|---|--|
| Unsuitable extinguishing media | : | None known. |
| Specific hazards during fire fighting | : | Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health. |
| Hazardous combustion prod- ucts | : | Carbon oxides Silicon oxides |
| Specific extinguishing meth- | : | Use extinguishing measures that are appropriate to local cir- |



| Version 11.0 | Revision Date: 11/05/2020 | | DS Number: 350346-00038 | Date of last issue: 10/01/2020 Date of first issue: 02/27/2017 |
|-----------------|--|---|----------------------------|---|
| ods | | | Use water spray | the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to do |
| | ial protective equipment e-fighters | : | necessary. | ned breathing apparatus for firefighting if tective equipment. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

| Personal precautions, protec- tive equipment and emer- gency procedures | : | Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8). |
|---|---|--|
| Environmental precautions | : | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained. |
| Methods and materials for containment and cleaning up | : | Soak up with inert absorbent material. For large spills, provide diking or other appropriate contain- ment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor- bent. Local or national regulations may apply to releases and dispo- sal of this material, as well as those materials and items em- ployed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements. |

SECTION 7. HANDLING AND STORAGE

| Technical measures | : | See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. |
|-----------------------------|---|--|
| Local/Total ventilation | : | Use only with adequate ventilation. |
| Advice on safe handling | : | Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Take care to prevent spills, waste and minimize release to the environment. |
| Conditions for safe storage | : | Keep in properly labeled containers. Store in accordance with the particular national regulations. |



| Ve 11 | ersion .0 | Revision Date: 11/05/2020 | | DS Number: 50346-00038 | Date of last issue: 10/01/2020 Date of first issue: 02/27/2017 |
|----------|------------------|--------------------------------|---|---|---|
| | Materia | ls to avoid | : | Do not store with Strong oxidizing a | the following product types: agents |
| | Recom peratur | mended storage tem- e | : | 41 - 104 °F / 5 - 4 | 0°C |
| | Further age sta | information on stor- bility | : | Do not freeze. | |
| | | | | Perishable if froze | en. |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

| Engineering measures : | Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. |
|------------------------------|--|
| Personal protective equipmen | t |
| Respiratory protection : | General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazar- dous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection. |
| Hand protection | |
| Remarks : | For prolonged or repeated contact use protective gloves. Wash hands before breaks and at the end of workday. |
| Eye protection : | Wear the following personal protective equipment: Safety glasses |
| Skin and body protection : | Skin should be washed after contact. |
| Hygiene measures : | If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the wor- king place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES





| Vers 11.0 | | Revision Date: 11/05/2020 | | S Number: 0346-00038 | Date of last issue: 10/01/2020 Date of first issue: 02/27/2017 |
|--------------|---------------------|---|---|--------------------------------|---|
| | Appear | ance | : | liquid, Aqueous s | olution |
| | Color | | : | white | |
| | Odor | | : | No data available |) |
| | Odor T | hreshold | : | No data available | |
| | рН | | : | 4 - 7 | |
| | Melting | point/freezing point | : | 32 °F / 0 °C | |
| | Initial b range | oiling point and boiling | : | 212 °F / 100 °C (1,013 hPa) | |
| | Flash p | oint | : | > 199 °F / > 93 °(| 2 |
| | Evapor | ation rate | : | No data available |) |
| | Flamma | ability (solid, gas) | : | Not applicable | |
| | Flamma | ability (liquids) | : | No data available |) |
| | | explosion limit / Upper bility limit | : | No data available | |
| | | explosion limit / Lower bility limit | : | No data available | |
| | Vapor p | pressure | : | No data available |) |
| | Relative | e vapor density | : | No data available |) |
| | Density | , | : | 1.03 g/cm ³ | |
| | Solubili Wat | ty(ies) er solubility | : | dispersible | |
| | Partitio octanol | n coefficient: n- /water | : | Not applicable | |
| | Autoigr | ition temperature | : | No data available |) |
| | Decom | position temperature | : | > 392 °F / > 200 ° | °C |
| | Viscosi Visc | ty osity, kinematic | : | No data available |) |
| | Explosi | ve properties | : | Not explosive | |



Zelan™ R3

| Version 11.0 | Revision Date: 11/05/2020 | | S Number: 50346-00038 | Date of last issue: 10/01/2020 Date of first issue: 02/27/2017 | | | |
|-----------------|---------------------------------------|-----|---------------------------------|---|--|--|--|
| Oxid | izing properties | : | The substance o | r mixture is not classified as oxidizing. | | | |
| Parti | cle size | : | Not applicable | | | | |
| SECTION | 10. STABILITY AND R | EAC | ΤΙVITY | | | | |
| Read | ctivity | : | Not classified as | a reactivity hazard. | | | |
| Cher | Chemical stability | | Stable under normal conditions. | | | | |
| Poss tions | sibility of hazardous reac- | : | | n explosive mixture with air. rong oxidizing agents. | | | |
| Cond | ditions to avoid | : | None known. | | | | |
| Incor | mpatible materials | : | Oxidizing agents | | | | |
| Haza prod | ardous decomposition ucts | : | No hazardous de | ecomposition products are known. | | | |
| SECTION | SECTION 11. TOXICOLOGICAL INFORMATION | | | | | | |
| Infor | rmation on likely routes | ofe | exposure | | | | |
| Inhal | lation contact | | | | | | |

Ingestion Eye contact

Acute toxicity

Not classified based on available information.

Product:

| Acute oral toxicity | : | LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 425 |
|---------------------------|---|---|
| Acute inhalation toxicity | : | Acute toxicity estimate: 50.26 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method |
| Acute dermal toxicity | : | LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 402 |
| Components: | | |

mponents:

| N-[3-(Dimethylamino)propyl]stearamide monoacetate: | | | | | | | |
|--|---|--|--|--|--|--|--|
| Acute oral toxicity | : | LD50 (Rat): 1,403 mg/kg Method: OECD Test Guideline 425 | | | | | |
| Acute inhalation toxicity | : | LC50 (Rat): > 0.66 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 | | | | | |

Zelan™ R3



| /ersion 11.0 | Revision Date: 11/05/2020 | | DS Number: 350346-00038 | Date of last issue: 10/01/2020 Date of first issue: 02/27/2017 |
|----------------------|------------------------------|---------|---|---|
| Acute | e dermal toxicity | : | LD50 (Rat): > 5 Method: OECD | i,000 mg/kg Test Guideline 402 |
| II Skin | corrosion/irritation | | | |
| Not c | lassified based on ava | ailable | information. | |
| Prod | uct: | | | |
| Spec | ies | : | Rabbit | |
| Meth Resu | | : | OECD Test Gu No skin irritatior | |
| <u>Com</u> | ponents: | | | |
| N-[3- | (Dimethylamino)pro | pyl]st | earamide monoa | acetate: |
| Spec | | : | Rabbit | _ |
| Resu | lit | : | No skin irritatio | n |
| Spec Resu Meth | lt | : | Rabbit No eye irritatior OPPTS 870.24 | |
| | (Dimethylamino)pro | ovl]st | earamide monoa | acetate: |
| Spec | | : | Rabbit | |
| Resu | lt | : | Irreversible effe | |
| Meth | 00 | : | OPPTS 870.24 | 00 |
| Resp | piratory or skin sensi | tizatio | on | |
| Skin | sensitization | | | |
| Not c | lassified based on ava | ailable | information. | |
| Resp | piratory sensitization | | | |
| Not c | lassified based on ava | ailable | information. | |
| Prod | uct: | | | |
| Test | | : | | de assay (LLNA) |
| Spec Asse | ies ssment | : | Mouse Does not cause | e skin sensitization. |
| Meth | | : | OPPTS 870.26 | |
| <u>Com</u> | ponents: | | | |
| | (Dimethylamino)pro | ovilst | earamide mono: | acetate: |
| Test | | | | de assav (LLNA) |

| | <i>`</i> | | |
|---------------------------------|----------|---|-------------------------------|
| Test Type Routes of exposure | | : | Local lymph node assay (LLNA) |
| Routes of exposure | | : | Skin contact |



| Version 11.0 | Revision Date: 11/05/2020 | SDS Number: 1350346-00038 | Date of last issue: 10/01/2020 Date of first issue: 02/27/2017 |
|----------------------------------|--|---|---|
| Speci Asses Metho Resul | ssment od | Mouse Probability or evidence of low to moderate skin sensitiza rate in humans OPPTS 870.2600 positive | |
| | cell mutagenicity assified based on avail | able information | |
| Produ | | able mormation. | |
| Germ | cell mutagenicity - ssment | : Tests on bacteria mutagenic effect | al or mammalian cell cultures did not show s. |
| Carci | nogenicity | | |
| Not cl IARC | | t of this product prese | nt at levels greater than or equal to 0.1% is confirmed human carcinogen by IARC. |
| II OSH <i>I</i> | | ent of this product prese ist of regulated carcino | ent at levels greater than or equal to 0.1% is gens. |
| NTP | | t of this product prese a known or anticipatec | nt at levels greater than or equal to 0.1% is I carcinogen by NTP. |
| Not cl | oductive toxicity assified based on avail -single exposure | able information. | |
| | assified based on avail | able information. | |

STOT-repeated exposure

Not classified based on available information.

Components:

N-[3-(Dimethylamino)propyl]stearamide monoacetate:

Assessment

: No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

Repeated dose toxicity

Components:

| N-[3-(Dimethylamino)propyl]stearamide monoacetate: | | | | | |
|---|---|--|--|--|--|
| Species NOAEL LOAEL | : | Rat | | | |
| NOAEL | : | 250 mg/kg | | | |
| LOAEL | : | > 250 mg/kg | | | |
| Application Route | : | Ingestion | | | |
| Exposure time | : | 28 d | | | |
| Method | : | OPPTS 870.3050 | | | |
| Application Route Exposure time Method Remarks | : | No significant adverse effects were reported | | | |

Zelan™ R3



| ersion 1.0 | Revision Date: 11/05/2020 | | DS Number: 50346-00038 | Date of last issue: 10/01/2020 Date of first issue: 02/27/2017 |
|-----------------|---|------|-------------------------------------|---|
| - | ration toxicity lassified based on availa | ıble | information. | |
| ECTION | 12. ECOLOGICAL INFO | ORI | MATION | |
| Ecote | oxicity | | | |
| <u>Prod</u> | <u>uct:</u> | | | |
| | ity to daphnia and other tic invertebrates | : | Exposure time: 4 Method: OPPTS | |
| Toxic plants | ity to algae/aquatic s | : | mg/l Exposure time: 7 | rchneriella subcapitata (green algae)): 33 2 h 'est Guideline 201 |
| | | | mg/l Exposure time: 7 | irchneriella subcapitata (green algae)): 7.9 2 h ^c est Guideline 201 |
| | | | mg/l Exposure time: 9 | rchneriella subcapitata (green algae)): 3.1 6 h ^c est Guideline 201 |
| Com | ponents: | | | |
| N-[3- | (Dimethylamino)propyl | lste | aramide monoac | etate: |
| LL - | ity to fish | : | LC50 (Gobiocypr Exposure time: 9 | is rarus (rare gudgeon)): 2.14 mg/l |
| | ity to daphnia and other tic invertebrates | : | Exposure time: 4 | nagna (Water flea)): 0.29 mg/l 8 h 'est Guideline 202 |
| Toxic plants | ity to algae/aquatic s | : | Exposure time: 7 | vulgaris (Fresh water algae)): 0.19 mg/l 2 h ^c est Guideline 201 |
| | | | Exposure time: 7 | vulgaris (Fresh water algae)): 0.026 mg/l 2 h |

Ecotoxicology Assessment

| Chronic aquatic toxicity | : | Toxic to aquatic life with long lasting effects. |
|--------------------------|---|--|
| | | |

Persistence and degradability

Product:

Method: OECD Test Guideline 201

Zelan™ R3



| 11.0 | Revision Date: 11/05/2020 | - | S Number: 50346-00038 | Date of last issue: 10/01/2020 Date of first issue: 02/27/2017 |
|---|--|-------------|---|---|
| Biode | egradability | : | Biodegradation: Exposure time: 1 Method: OECD | |
| | | | Biodegradation: Exposure time: 2 | |
| | nemical Oxygen De- I (BOD) | : | 0.4 mg/g | |
| Chen (COD | nical Oxygen Demand)) | : | 341 mg/g | |
| Com | ponents: | | | |
| | | /l]eta | aramida monoa | cetate - |
| N-[3- | (Dimethylamino)propy egradability | /l]ste : | Result: Readily b | |
| N-[3- Biode | (Dimethylamino)propy | | Result: Readily b | biodegradable. |
| Bioae | (Dimethylamino)propy egradability | | Result: Readily b | biodegradable. |
| N-[3- Biode Bioae <u>Com</u> N-[3- | (Dimethylamino)propy egradability ccumulative potential ponents: (Dimethylamino)propy | : | Result: Readily b Method: OECD | biodegradable. Test Guideline 301 |
| N-[3- Biode Bioae <u>Com</u> N-[3- | (Dimethylamino)propy egradability ccumulative potential ponents: | : | Result: Readily b Method: OECD | biodegradable. Test Guideline 301 |
| Biode Biode <u>Com</u> N-[3- Bioac Partit | (Dimethylamino)propy egradability ccumulative potential ponents: (Dimethylamino)propy | /l]ste | Result: Readily b Method: OECD | biodegradable. Test Guideline 301 cetate: h factor (BCF): 677.5 |
| Biode Biode Com N-[3- Bioac Partit octan | (Dimethylamino)propy egradability ccumulative potential ponents: (Dimethylamino)propy ecumulation | /I]ste | Result: Readily b Method: OECD | biodegradable. Test Guideline 301 cetate: h factor (BCF): 677.5 |
| N-[3- Biode Com N-[3- Bioac Partit octan Mobi | (Dimethylamino)propy egradability ccumulative potential ponents: (Dimethylamino)propy ccumulation ion coefficient: n- | /I]ste | Result: Readily b Method: OECD | biodegradable. Test Guideline 301 cetate: h factor (BCF): 677.5 |
| Biode Biode Com N-[3- Bioac Partit octan No da | (Dimethylamino)propy egradability ccumulative potential ponents: (Dimethylamino)propy ecumulation ion coefficient: n- iol/water lity in soil | /I]ste | Result: Readily b Method: OECD | biodegradable. Test Guideline 301 cetate: h factor (BCF): 677.5 |

SECTION 13. DISPOSAL CONSIDERATIONS

| Disposal methods | | |
|------------------------|---|---|
| Waste from residues | : | Dispose of in accordance with local regulations. |
| Contaminated packaging | : | Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. |

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG



| Version 11.0 | Revision Date: 11/05/2020 | SDS Number: 1350346-00038 | Date of last issue: 10/01/2020 Date of first issue: 02/27/2017 | | | |
|---|--|------------------------------|---|--|--|--|
| Not re | egulated as a dangero | ous good | | | | |
| | IATA-DGR Not regulated as a dangerous good | | | | | |
| | IMDG-Code Not regulated as a dangerous good | | | | | |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied. | | | | | | |

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

| Components | CAS-No. | Component RQ | Calculated product RQ |
|------------------------|----------|--------------|-----------------------|
| | | (lbs) | (lbs) |
| Acetic acid | 64-19-7 | 5000 | * |
| Isobutyl methyl ketone | 108-10-1 | 5000 | * |

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

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 : No SARA Hazards

| 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. |

US State Regulations

Pennsylvania Right To Know

| Water | 7732-18-5 |
|------------------------|--------------|
| Alkyl Urethane | Trade secret |
| Proprietary copolymer | Trade secret |
| Dipropylene glycol | 25265-71-8 |
| Acetic acid | 64-19-7 |
| Isobutyl methyl ketone | 108-10-1 |

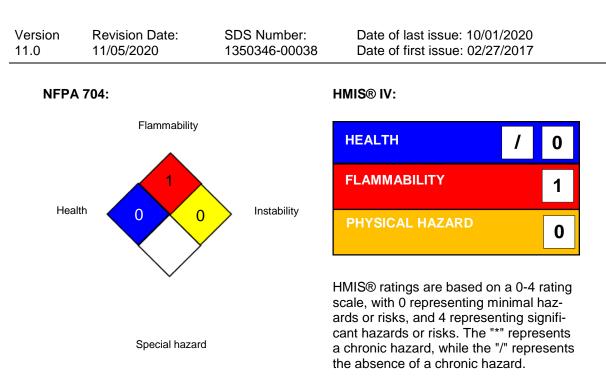
California Prop. 65

WARNING: This product can expose you to chemicals including Isobutyl methyl ketone, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16. OTHER INFORMATION

Further information





Zelan[™] and any associated logos are trademarks or copyrights of The Chemours Company FC, LLC.

Chemours[™] and the Chemours Logo are trademarks of The Chemours Company. Before use read Chemours safety information.

For further information contact the local Chemours office or nominated distributors.

We do not routinely test this product for the presence of heavy metals, but these substances are not intentionally added to or used in the manufacture of this product.

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 - (Quanti-



| Version | Revision Date: | SDS Number: | Date of last issue: 10/01/2020 |
|---------|----------------|---------------|---------------------------------|
| 11.0 | 11/05/2020 | 1350346-00038 | Date of first issue: 02/27/2017 |

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

| Sources of key data used to | : | Internal technical data, data from raw material SDSs, OECD |
|-----------------------------|---|--|
| compile the Material Safety | | eChem Portal search results and European Chemicals Agen- |
| Data Sheet | | cy, http://echa.europa.eu/ |

Revision Date : 11/05/2020

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

US / Z8