

| Version 4.0 | Revision Date: 10/22/2018 | | DS Number: 045991-00008 | Date of last issue: 05/02/2017 Date of first issue: 01/06/2015 | | | | | | |
|----------------|---|------|---|---|--|--|--|--|--|--|
| SECTIO | SECTION 1. IDENTIFICATION | | | | | | | | | |
| Pro | duct name | : | MOLYKOTE [®] L-1 | 332 FM Synthetic Hydraulic & Gear Oil | | | | | | |
| Pro | duct code | : | 04066110 | | | | | | | |
| Ма | nufacturer or supplier's | deta | ails | | | | | | | |
| Coi | npany Identification | : | DDP SPECIALTY US 9, LLC 974 Centre Road Wilmington DE 1 UNITED STATES | 9805 | | | | | | |
| Tel | ephone | : | 833-338-7668 | | | | | | | |
| 24- | Hour Emergency Contact | : | 1-800-424-9300 | | | | | | | |
| Loc | al Emergency Number | : | 800-424-9300 | | | | | | | |
| E-n | nail address | : | SDSQuestion-NA | @dupont.com | | | | | | |
| Re | Recommended use of the chemical and restrictions on use | | | | | | | | | |
| Ree | Recommended use | | Lubricants and lu | bricant additives | | | | | | |

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Substance / Mixture | : | Mixture |
|---------------------|---|---------|
|---------------------|---|---------|

Chemical nature : Inorganic and organic compounds in mineral oil

Hazardous ingredients

| Chemical name | CAS-No. | Concentration (% w/w) |
|--------------------------------------|------------|-----------------------|
| White mineral oil (petroleum) | 8042-47-5 | >= 59 - <= 79 |
| Dec-1-ene, homopolymer, hydrogenated | 68037-01-4 | >= 24 - <= 36 |

SECTION 4. FIRST AID MEASURES

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|---------------------------------------|--|----------|--|---|---|--|--|--|
| If inhaled In case of skin contact | | | If inhaled, remove to fresh air. Get medical attention if symptoms occur. Wash with water and soap as a precaution. | | | | | |
| | | | | | tion if symptoms occur. | | | |
| In | In case of eye contact | | : | Flush eyes with water as a precaution. Get medical attention if irritation develops and persists. | | | | |
| lf | If swallowed | | : | If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water. | | | | |
| ar | lost important s nd effects, both elayed | • • | : | None known. | | | | |
| P | rotection of firs | t-aiders | : | No special precau | tions are necessary for first aid responders. | | | |
| N | otes to physici | an | : | Treat symptomation | cally 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 | : | Exposure to combustion products may be a hazard to health. |
| Hazardous combustion prod- ucts | : | Carbon oxides |
| Specific extinguishing meth- ods | : | Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area. |
| Special protective equipment for fire-fighters | : | Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

| Personal precautions, protec- | : | Follow safe handling advice and personal protective |
|-------------------------------|---|---|
| tive equipment and emer- | | equipment recommendations. |

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| | gency p | procedures | | | |
| | Enviror | nmental precautions | : | Prevent further lea Prevent spreading oil barriers). Retain and dispos | e environment must be avoided. akage or spillage if safe to do so. g over a wide area (e.g., by containment or se of contaminated wash water. should be advised if significant spillages ed. |
| | Methods and materials for containment and cleaning up | | : | For large spills, pr containment to ke can be pumped, s container. Clean up remainir absorbent. Local or national r disposal of this ma employed in the c determine which r Sections 13 and 1 | absorbent material. Tovide diking or other appropriate ep material from spreading. If diked material atore recovered material in appropriate ing materials from spill with suitable regulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to egulations are applicable. 5 of this SDS provide information regarding tional 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 | : | Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment 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. |
| Materials to avoid | : | Do not store with the following product types: Strong oxidizing agents |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

| Ingredients | CAS-No. | Value type (Form of exposure) | Control parame- ters / Permissible concentration | Basis |
|-------------------------------|-----------|-------------------------------------|--|----------|
| White mineral oil (petroleum) | 8042-47-5 | TWA (Mist) | 5 mg/m ³ | OSHA Z-1 |
| | | TWA (Inhal- | 5 mg/m³ | ACGIH |

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| | | | | able fraction) TWA (Mist) | 5 mg/m³ | NIOSH RE |
| | | | | ST (Mist) | 10 mg/m ³ | NIOSH RE |
| | deue componente u | ithou | t workplass o | | | |
| | rdous components w | iinou | - | ontroi paramet T | .615 | |
| Ingred | -ene, homopolymer, | - | CAS-No. 68037-01-4 | - | | |
| | genated | | 00007 01 4 | | | |
| Engir | neering measures | : | | | especially in conf e concentrations. | ined areas. |
| Perso | onal protective equip | ment | | | | |
| Respi | ratory protection | : | maintain vapo concentration unknown, app Follow OSHA use NIOSH/M by air purifyin hazardous ch supplied resp release, expo | or exposures be s are above rec propriate respirat respirator regu ISHA approved g respirators ag emical is limited irator if there is sure levels are where air purify | entilation is recom low recommende commended limits atory protection sh lations (29 CFR 1 respirators. Prote alinst exposure to d. Use a positive p any potential for u unknown, or any <i>v</i> ing respirators m | d limits. Where or are ould be worn. 910.134) and ection provided any pressure air uncontrolled other |
| Hand | protection | | | | | |
| Re | emarks | : | Wash hands | before breaks a | nd at the end of v | vorkday. |
| Eye p | rotection | : | Wear the follo Safety glasse | | protective equipm | ent: |
| Skin a | and body protection | : | Skin should b | e washed after | contact. | |
| Hygie | ne measures | : | located close When using of Wash contain These precau elevated temp require added For further into organic oils in the guidance materials in of developed by | to the working p to not eat, drink inated clothing itions are for roc perature or aero d precautions. formation regard document regard onsumer aeros the silicone ind | or smoke. | andling. Use at tions may cones / please refer to nese type of t has been SC.com) or |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



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|-----------------------|--|---|----------------------------|---|
| Appeara | ince | : | liquid | |
| Color | | : | Translucent-colo | rless to pale yellow |
| Odor | | : | none | |
| Odor Th | reshold | : | No data available | 9 |
| рН | | : | No data available | 9 |
| Melting | point/freezing point | : | No data available | 9 |
| Initial bo range | iling point and boiling | : | > 35 °C | |
| Flash po | bint | : | 227 °C Method: closed c | sup |
| Evapora | tion rate | : | No data available | 9 |
| Flamma | bility (solid, gas) | : | Not applicable | |
| Flamma | bility (liquids) | : | Not applicable | |
| Self-ign | lition | : | | r mixture is not classified as pyrophoric. The ture is not classified as self heating. |
| Upper e flammat | xplosion limit / Upper pility limit | : | No data available | 9 |
| Lower e | xplosion limit / Lower pility limit | : | No data available | 9 |
| Vapor p | ressure | : | No data available | 9 |
| Relative | vapor density | : | No data available | 9 |
| Relative | density | : | 0.834 | |
| Solubility Wate | y(ies) er solubility | : | No data available | 9 |
| Partition octanol/ | coefficient: n- water | : | No data available | 9 |
| Autoigni | tion temperature | : | No data available | 9 |
| Decomp | oosition temperature | : | No data available | 9 |
| Viscosity Visco | y osity, kinematic | : | 32 mm²/s (25 °C) |) |



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| Exp | losive properties | : Not explosive | |
| Oxidizing properties | | : The substance | or mixture is not classified as oxidizing. |
| Mol | ecular weight | : No data availal | ble |
| | | | |

SECTION 10. STABILITY AND REACTIVITY

| Reactivity | : | Not classified as a reactivity hazard. |
|---|---|--|
| Chemical stability | : | Stable under normal conditions. |
| Possibility of hazardous reac- tions | : | Can react with strong oxidizing agents. |
| Conditions to avoid | : | None known. |
| Incompatible materials | : | Oxidizing agents |
| Hazardous decomposition products | : | No hazardous decomposition products are known. |

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.

Ingredients:

White mineral oil (petroleum):

| Acute oral toxicity | : | LD50 (Rat): > 5,000 mg/kg |
|---------------------------|---|--|
| Acute inhalation toxicity | | LC50 (Rat): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhala- tion toxicity |
| Acute dermal toxicity | | LD50 (Rabbit): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity |

Dec-1-ene, homopolymer, hydrogenated:

| Acute oral toxicity Acute inhalation toxicity | : LD50 (Rat): > 5,000 mg/kg |
|--|-----------------------------|
| Acute inhalation toxicity | : LC50 (Rat): > 5.2 mg/l |

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| | | Method: OEC | e: 4 h ere: dust/mist D Test Guideline 403 The substance or mixture has no acute inhala- | | |
| Acu | te dermal toxicity | | 2,000 mg/kg D Test Guideline 402 sed on data from similar materials | | |
| Ski | n corrosion/irritation | | | | |
| Not | classified based on avail | able information. | | | |
| <u>Ing</u> | redients: | | | | |
| Spe | ite mineral oil (petroleu ecies: Rabbit sult: No skin irritation | m): | | | |
| Dec | -1-ene, homopolymer, | hydrogenated: | | | |
| | cies: Rabbit sult: No skin irritation | | | | |
| | Serious eye damage/eye irritation Not classified based on available information. | | | | |
| Ing | redients: | | | | |
| Spe | ite mineral oil (petroleu ecies: Rabbit sult: No eye irritation | m): | | | |
| Dec | -1-ene, homopolymer, | hydrogenated: | | | |
| Res | ecies: Rabbit sult: No eye irritation hod: OECD Test Guidelin | ne 405 | | | |
| Res | piratory or skin sensiti | zation | | | |
| | n sensitization classified based on avail | able information. | | | |
| | piratory sensitization classified based on avail | able information. | | | |
| Ing | redients: | | | | |
| Tes Rou Spe | ite mineral oil (petroleu t Type: Buehler Test ites of exposure: Skin co ccies: Guinea pig sult: negative | | | | |
| | | 7/1 | - | | |



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Dec-1-ene, homopolymer, hydrogenated:

Test Type: Maximization Test Routes of exposure: Skin contact Species: Guinea pig Method: OECD Test Guideline 406 Result: negative

Germ cell mutagenicity

Not classified based on available information.

Ingredients:

White mineral oil (petroleum):

| Genotoxicity in vitro | : Test Type: In vitro mammalian cell gene mutation test Result: negative |
|-----------------------|--|
| Genotoxicity in vivo | Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials |

Dec-1-ene, homopolymer, hydrogenated:

| Genotoxicity in vitro | : Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative |
|-----------------------|---|
| | Result: negative |

Carcinogenicity

Not classified based on available information.

Ingredients:

White mineral oil (petroleum):

Species: Rat Application Route: Ingestion Exposure time: 24 Months Result: negative

IARC

equal to 0.1% is identified as probable, possible or confirmed
human carcinogen by IARC.OSHANo component of this product present at levels greater than or
equal to 0.1% is on OSHA's list of regulated carcinogens.NTPNo ingredient of this product present at levels greater than or
equal to 0.1% is identified as a known or anticipated carcinogen
by NTP.

No ingredient of this product present at levels greater than or

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| • | Reproductive toxicity Not classified based on available information. | | | | | |
| Ingre | Ingredients: | | | | | |
| White | White mineral oil (petroleum): | | | | | |
| Effect | s on fertility | : | Test Type: One-g Species: Rat Application Route Result: negative | eneration reproduction toxicity study e: Skin contact | | |
| Effect | s on fetal developmen | + · | Test Type: Embry | vo-fetal development | | |

| pe: Embryo-fetal development s: Rat tion Route: Ingestion negative |
|---|
| |

Dec-1-ene, homopolymer, hydrogenated:

| Effects on fertility | : Test Type: One-generation reproduction toxicity study Species: Rat |
|----------------------|---|
| | Application Route: Ingestion Result: negative |

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Ingredients:

White mineral oil (petroleum):

Species: Rat LOAEL: > 160 mg/kg Application Route: Ingestion Exposure time: 90 Days

Species: Rat LOAEL: >= 1 mg/l Application Route: inhalation (dust/mist/fume) Exposure time: 4 Weeks Method: OECD Test Guideline 412

Dec-1-ene, homopolymer, hydrogenated:

Species: Rat NOAEL: 4,159.4 mg/kg Application Route: Ingestion Exposure time: 91 Days

Aspiration toxicity

Not classified based on available information.



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Ingredients:

White mineral oil (petroleum):

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

Dec-1-ene, homopolymer, hydrogenated:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Ingredients:

White mineral oil (petroleum):

| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 |
|---|---|---|
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 |
| Toxicity to algae | : | NOEC (Pseudokirchneriella subcapitata (green algae)): 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 |
| Toxicity to fish (Chronic tox- icity) | : | NOEC (Oncorhynchus mykiss (rainbow trout)): 1,000 mg/l Exposure time: 28 d |
| Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) | : | NOEC (Daphnia magna (Water flea)): 1,000 mg/l Exposure time: 21 d |

Dec-1-ene, homopolymer, hydrogenated:

| Toxicity to fish | : | LL50 (Oncorhynchus mykiss (rainbow trout)): > 1,000 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction |
|---|---|--|
| Toxicity to daphnia and other aquatic invertebrates | : | EL50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 202 |
| Toxicity to algae | : | EL50 (Scenedesmus capricornutum (fresh water algae)): > 1,000 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction |

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| Ш | | Method: OEC | D Test Guideline 201 |
| | | 1,000 mg/l Exposure tim Test substan | nedesmus capricornutum (fresh water algae)): e: 72 h ce: Water Accommodated Fraction CD Test Guideline 201 |
| | ity to daphnia and other tic invertebrates (Chron- icity) | Exposure tim Test substan | hnia magna (Water flea)): 125 mg/l e: 21 d ce: Water Accommodated Fraction CD Test Guideline 211 |
| Toxic | ity to microorganisms | : NOEC: 2 mg/ Exposure tim Method: OEC | |
| Persi | istence and degradabil | ity | |
| Ingre | edients: | | |
| White | e mineral oil (petroleun | ו): | |
| Biode | egradability | : Result: Not re Biodegradation Exposure time | |
| Dec- | 1-ene, homopolymer, h | ydrogenated: | |
| Biode | egradability | Biodegradation Exposure tim | |
| Bioa | ccumulative potential | | |
| Ingre | edients: | | |
| Dec- | 1-ene, homopolymer, h | ydrogenated: | |
| | ion coefficient: n- ol/water | : log Pow: > 6. | 5 |
| | lity in soil ata available | | |
| | r adverse effects ata available | | |
| SECTION | 13. DISPOSAL CONSIL | DERATIONS | |
| D ' | e col mothe do | | |

Disposal methods

| Resource Conservation and | : | This product has been evaluated for RCRA characteristics |
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| Recovery Act (RCRA) | | and does not meet the criteria of hazardous waste if discarded |



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| | | in its purchased | form. | |
| Waste from residues | | : Dispose of in accordance with local regulations. | | |
| Contaminated packaging | | handling site for | 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

Not regulated as a dangerous 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

EPCRA - Emergency Planning and Community Right-to-Know

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 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

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California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California List of Hazardous Substances

White mineral oil (petroleum)

California Permissible Exposure Limits for Chemical Contaminants

White mineral oil (petroleum)

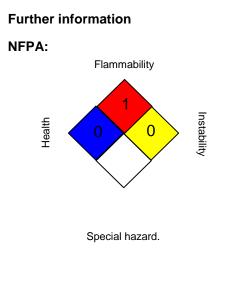
8042-47-5

8042-47-5

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

| • | | • |
|-------|---|---|
| REACH | : | For purchases from Dow Chemical EU legal entities, all ingredients are currently pre/registered or exempt under REACH. Please refer to section 1 for recommended uses. For purchases from non-EU Dow Chemical legal entities with the intention to export into EEA please contact your DC representative/local office. |
| TSCA | : | All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption. |
| DSL | : | This product contains one or more substances which are not on the Canadian Domestic Substances List (DSL). Import of this product into Canada has volume limitations. For volume limits please consult Dow Chemical Regulatory Compliance. |

SECTION 16. OTHER INFORMATION



HMIS® IV:

| HEALTH | / 0 |
|-----------------|-----|
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

:

:

ACGIH NIOSH REL USA. ACGIH Threshold Limit Values (TLV)



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| OSH | A Z-1 | | tional Exposure Limits (OSHA) - Table Z-1 Lim- | | |
| ACGIH / TWA NIOSH REL / TWA | | : 8-hour, time-w : Time-weighted | its for Air Contaminants8-hour, time-weighted averageTime-weighted average concentration for up to a 10-hour | | |
| NIOSH REL / ST | | : STEL - 15-mir | workday during a 40-hour workweek STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday | | |
| OSH | A Z-1 / TWA | | 8-hour time weighted average | | |

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; 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; 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

: 10/22/2018

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



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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.

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