

SAFETY DATA SHEET

| | | : • • | | : | | 14. 14. | | | Date A | ccessed | 25/08/2 | 2023 |
|---------|-------------|----------|------------|------------|----------|------------|----------------|-------|-------------|--------------|---------|----------|
| | 1 | | | | : | | 1 | 1 | Date | Revised | 06/01/2 | 2023 |
| | e l' | | | | | | : ¹ | | | | | *: : |
| SEC | TION | 1. ID | ENTI | FICAT | ION | | | | | | | |
| Produ | ct Name: | Zirconi | ium Tun | | | <u>с</u> | 1. | | | | | 14 |
| | : 16853-7 | | | - | 1 | | : | 1 | - 1 - 1 | - | ÷., | |
| Releva | ant identi | fied us | es of th | ie substa | nce: S | cientific | c researc | h and | develo | oment | | 1 |
| Suppl | ier details | 6: | | | | | | | | | | |
| Stanfo | rd Advand | ced Ma | terials | | | 1. | 1 | | · | | ; • • | · |
| E-mail | : sales@s | amater | ials.con | า | | | | | | | | |
| Tel: (9 | 49) 407-8 | 904 | | | | | | 1 | | | | |
| Addres | ss: 23661 | Birtche | er Dr., La | ake Fores | t, CA 92 | 2630 U. | S.A. | | | | | |
| 1 | | | | | | | | | | | 100 | 11 |
| | | | | | | | | | | | | |
| SEC | TION | 2. H/ | | RDS ID | ENT | IFICA | TION | | 1. 1. | : | | 14. 1 |
| Classit | fication of | the sub | ostance | orimixture | Э : | | 1 | 1 | | : | 1 | |
| Classi | fication ac | cording | to Reg | ulation (E | C) No ´ | 1272/20 | 08 | | 1. 1. | | | · . |
| The su | ıbstance i | s not cl | assified | as hazaro | dous to | health | or the env | | | ording to th | | |

regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

N/A

Information concerning particular hazards for human and environment:

No data available

Hazards not otherwise classified

No data available

| | | | | , , | | 1 1 1 | 1 | | | · · . | |
|---|------------|----------------|-------|---------|-----|-------|----------|----------------|--------------|------------|---|
| Label elements | 1 | | | | | ÷., | | | | | |
| Labelling according | | | | | | | | | | | |
| N/A | | | | | 1 | | | | | | : |
| Hazard pictograms | 5 | | | ÷., | ÷., | | 1. 1. | | · · · · · | 1. 1. | : |
| Signal word | | | | | | ÷., | | | | | |
| N/A Hazard statements | 5 | e ^r | | : | : | | | :1 | | | : |
| N/A WHMIS classificat | ionNot con | trolled | | | | | | | | ÷., | : |
| Classification syste | em | | 1, | | ł | ÷., | | | 4. 1 | 11 | |
| HMIS ratings (scal | e 0-4) | | | | | | | e ^r | | | : |
| (Hazardous Materi | | | | | | | | | | | |
| HEALTH | | | : ' ' | | | 111 | | | | 1. 1. | : |
| FIRE | 1 | - | : . | | : | 1, | | 1 | ١. | | |
| 1': : : · · · · · · · · · · · · · · · · · | er in | | | `: ` | : | | | : | , , , | | |
| 0, | | 1. | : * * | | 1 | 111 | | | | | : |
| Health (acute effect Flammability = 0 | cts) = 1 | 1 | :, | | : | 1 | | : | :, | | |
| Physical Hazard = Other hazards | Ö | ť | | 1 | ť | | 1 | ti - | | 1 | : |
| Results of PBT an | d vPvB ass | sessment | : ** | | ÷. | 111 | 1. | | 111 | 14. 14. | : |
| | | | | | | | | | | | |
| N/A | | | | | | | | | | | |
| vPvB: | | | | | | | 1 | | | | : |
| N/A | | 4 | | 1. | | | 1. | | | 14. 14. | : |
| le di | 1 | | 1 | | } | ÷., | | 1 | | | |
| | | | | | | | 1 | | | | |

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Substances | | | | · : | | | 1 | : | | |
|--|--------------|------------|----------------|----------------|---------------|-----------|----------|---|-------|----------|
| CAS No. / Substand | e Name: | | | | | | | | | |
| 16853-74-0 Tungste | en zirconiu | m oxide | (zirconiu | ım tung | jstate) | 111 | 1. 1. | | 111 | 14 |
| Identification number | er(s): | | ١, | | : | ÷. | | ; | ÷., | |
| _ | | : | | | | | 1 | :1 | . • • | |
| an an an | · · · · · | | 1 - 1 - 1 1 | | | ; • • | | | | 1. 1. |
| SECTION 4. | FIRST | | MEAS | URE | S | 1 | | | | |
| Description of first a | | | | | | | | | | |
| If inhaled: | | | | | t i | | `: : | | | |
| Supply patient with | fresh air. I | f not brea | athing, p | rovide | artificial re | espiratio | on. Keej | o patient | warm. | |
| Seek immediate me | dical advid | ce. | | | | | | | | |
| In case of skin conta | act: | | | | | ÷., | | | | |
| Immediately wash w | vith soap a | ind wate | r; rinse tl | horoug | hly. | | · . | | | · . |
| Seek immediate me | dical advid | ce. | i. | , | , | | · | | , | , |
| In case of eye conta | act: | : | 111 | ۰. | | | · . | : | | |
| Rinse opened eye for | | | | | water. Co | nsult a p | ohysicia | ın. | | |
| If swallowed: | | | | - 1 - 1 - 1 | | ÷., | . * * | | | . 11 |
| Seek medical treatn | nent. | | | | | | · . | e la compañía de la c | | |
| Information for doct | or | | | | | | | | | |
| Most important sym | ptoms and | l effects, | both ac | ute and | delayed | ; • • | 1. 1. | | : • • | 1. 1. |
| No data available Indication of any imi | mediate m | | | | | | | | ; | |
| No data available | | | | - | | | | : ¹ | | 1 |

SECTION 5. FIREFIGHTING MEASURES

| | | | | | | | 1 1 1 | 1 | |
|-----------------------------|--------------------|----------------|-------------|-------------|---------|------------|-------|----------|---|
| Extinguishing media | | : | | | | | | | |
| Suitable extinguishing a | | . , | | , | | | , | 4 | |
| Product is not flammable | e. Use fire-figh | ting measures | s that suit | the surro | unding | fire. | | 1 | : |
| Special hazards arising | from the subst | ance or mixtu | re | | | | | | |
| If this product is involved | l in a fire, the f | ollowing can l | be release | d: | 1.1 | | | 1. | |
| Advice for firefighters | | | | 1 | | | | | - |
| Protective equipment: | | | | | | | | | |
| Wear self-contained resp | | | 1 | | : | | | 1 | : |
| Wear fully protective imp | pervious suit. | an sh | | | ÷., | | | 1. 1. | 1 |
| | | : | | ÷. | | | | | |
| SECTION 6. AC | CIDENT | | | | | | | | |
| la al composition | | | | . * * | | t. | | 1 | : |
| Personal precautions, pr | | | | | | | | | |
| Use personal protective | equipment. Ke | ep unprotect | ed persons | s away. | 14 | | | 14 | |
| Ensure adequate ventila | tion | : | | 1 | | | | | |
| Environmental precautio | ns: | | | | | | | | |
| Do not allow material to | be released to | the environm | ent withou | ut official | permits | . . | | 1 | : |
| Do not allow product to e | enter drains, se | ewage systen | ns, or othe | r water c | ourses. | | | | |
| Do not allow material to | penetrate the | ground or soil | | 1.1 | | | :** | 11 | |
| Methods and materials f | or containmen | t and cleanup | : | 1 | | | | | |
| Pick up mechanically. | | | | | | | | | |
| Prevention of secondary | hazards: | | | | | | | | : |
| No special measures rec | quired. | | | | | | | | |
| Reference to other section | ons | | 1 | | 14 | | | 11 | |
| See Section 7 for inform | ation on safe ł | nandling | | | | | | | |
| See Section 8 for inform | ation on perso | nal protection | equipmer | nt. | | | | | |
| See Section 13 for dispo | osal information | | | | : | ; | | : | |
| | | | | | 1 | | 1.1.1 | 1. 1. | : |
| | | | | | | | | | |

SECTION 7. HANDLING AND STORAGE

| HandlingPrecautions for safe handlingKeep container tightly sealed.Store in cool, dry place in tightly closed containers.Information about protection against explosions and fires:The product is not flammableConditions for safe storage, including any incompatibilitiesRequirements to be met by storerooms and receptacles:No special requirements.Information about storage in one common storage facility:Store away from oxidizing agents.Further information about storage conditions:Keep container tightly sealed.Store in cool, dry conditions in well-sealed containers.Specific end use(s)No data available | | | | | 1.1.1 | | | | | 1 | | | |
|---|------------------|-----------|-----------|-----------|-----------|----------|--------|-------|-----|----|------|----------|----|
| Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Information about protection against explosions and fires: The product is not flammable Conditions for safe storage, including any incompatibilities Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers. Specific end use(s) | Handling | ÷., | | | : | | | : | | | | | |
| Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Information about protection against explosions and fires: The product is not flammable Conditions for safe storage, including any incompatibilities Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers. Specific end use(s) | Precautions for | safe ha | ndling | | | | | | | | | | |
| Information about protection against explosions and fires: The product is not flammable Conditions for safe storage, including any incompatibilities Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers. Specific end use(s) | Keep container | tightly s | ealed. | | . * * | | : | | | t. | . ** | | : |
| Information about protection against explosions and fires: The product is not flammable Conditions for safe storage, including any incompatibilities Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers. Specific end use(s) | Store in cool, d | ry place | in tightl | y closed | l contair | iers. | | | | | | | |
| Conditions for safe storage, including any incompatibilities Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers. Specific end use(s) | Information abo | out prote | ction ag | jainst ex | plosion | s and fi | res: | 1.1 | 14 | | 111 | | :, |
| Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers. Specific end use(s) | The product is r | not flam | mable | | | | | 1 | | | | | : |
| Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers. Specific end use(s) | Conditions for s | afe stor | age, inc | luding a | any incoi | mpatibil | lities | | | | | | |
| Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers. Specific end use(s) | Requirements t | o be me | t by sto | rerooms | s and red | ceptacle | es: | | | | | | |
| Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers. Specific end use(s) | No special requ | lirement | S. | : | : ** | | : | | · . | : | | 1 | : |
| Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers. Specific end use(s) | Information abc | out stora | ge in or | ne comm | non stora | age fac | ility: | | | , | | | |
| Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers. Specific end use(s) | Store away fror | n oxidizi | ng ager | nts. | | | : | 1 | | | | | |
| Store in cool, dry conditions in well-sealed containers. Specific end use(s) | Further informa | tion abo | ut stora | ge conc | litions: | | | | | | | | |
| Specific end use(s) | Keep container | tightly s | ealed. | | | | | | | | | | |
| | Store in cool, d | ry condi | tions in | well-sea | aled;con | tainers. | 1 | : • • | ÷., | | :** | 1. 1. | : |
| No data available | Specific end us | e(s) | | | | | | | | | | | |
| | No data availab | ole | | 1 | | | | 1. | | | | | |
| | | | | | 1-1 | | | 1 1 | | 1 | | | |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Control parameters Components with limit values that require monitoring at the workplace: Not required. Additional information: No data Exposure controls Personal protective equipment

| | | | | , | | | ' | | | | |
|---------------------------|------------|-------------|----------|-----------|------------|-----------|-----------|----------|--------|-------------------------|--|
| Follow typical protective | and hy | gienic pra | ctices f | for hand | lling chem | nicals. | | | 1 | | |
| Keep away from foodstu | uffs, bev | erages ar | nd feed | | | | | | | | |
| Remove all soiled and c | ontamir | nated cloth | ning im | mediate | ly. | | | : | | `: | |
| Wash hands before brea | aks and | at the end | d of wo | rk. | | | | | | | |
| Maintain an ergonomica | ally appr | opriate wo | orking e | environn | nent. | | | | | | |
| Breathing equipment: | | | | | | | | | | | |
| Use suitable respirator | when hig | gh concen | tration | s are pre | esent. | | · . | | | · . | |
| Protection of hands: | | 1 | 1 | | 1 | | | | 1 | | |
| Impervious gloves | · . | 1 | | · , | | | · , | | | · . | |
| Inspect gloves prior to u | | | | ı | | | | | | | |
| Suitability of gloves sho | uld be d | etermined | both b | by mater | rial and q | uality, t | he latter | of which | may va | ary | |
| | · . | | | | | | | : | | 1 | |
| manufacturer. | | | | | | | | | | | |
| Penetration time of glov | e mater | ial (in min | utes) | | 1 | :** | 1. | | ; • • | | |
| No data available | | | | | | | | | | | |
| Eye protection: | | 1 | | | | | | | | | |
| Safety glasses | `: | | | `: | | | `: : | | | `: | |
| Body protection: | | | | | | | | | | | |
| Protective work clothing | - • | 1. | | | 1. | | 1. 1. | | | 1. 1. | |
| le di | | | | | | ÷. | | : | 1 | | |
| SECTION 9. PH | IYSIC | | | HEM | | PRO | PER | TIES | | | |
| Information on basic phy | ysical ar | nd chemic | al prop | erties | | | | | | | |
| Appearance: | 14. 14. | | | | 1 | | 1. 1. | | | ${}^{1}\mathcal{A}_{1}$ | |
| Form: Powder or crysta | lline soli | d | ; | | | : | | : | : | | |
| Color: White to pale gre | en | | | | | | | | | | |
| Odor: Odorless | | | | | | . * * | | : | | `: | |
| Odor threshold: No data | a availab | ole. | | | | | | | | | |
| pH: N/A | 14. 1 | 1 | | | | | Т. | ÷., | | 14. 1 | |
| Melting point/Melting rai | nge: No | data avai | lable | | | 1 | | | | | |
| | | | | | | | | | | | |

| | | | 1 1 1 | | | 1 1 1 | | | | · · · | |
|------------------------------|-----------------|------------|----------|----------|------------|-------|------------|------------|-------|-------|-----|
| Boiling point/Boiling range | e: No da | ata availa | able | | 1 | ÷., | | | | | |
| Sublimation temperature | / start: I | | | | | | | | | | |
| Flammability (solid, gas) | 1 | : | | | ť | | : | | | : | : |
| No data available. | | | | | | | | | | | |
| Ignition temperature: No o | data av | ailable | | | 1. | 1 | | | | | |
| Decomposition temperatu | ure: No | data ava | ilable | | | | | | 4 | | |
| Autoignition: No data ava | ilable. | | | • . | | | • . | | | | |
| Danger of explosion: No o | data av | | | 1 | i | | i. | i. | | | |
| Explosion limits: | • . | ; | | | : | | • . | | | • . | ; |
| Lower: No data available | i. | | | | | | ı | | | | |
| Upper: No data available | | | | | | 1 | . * * | | 1. | | : |
| Vapor pressure: N/ADens | sity at 2 | 0°C (68 | °F): 5.1 | g/cm | | | · | | | · . | : - |
| 3 | | | | | | | | | | | |
| (42.56 lbs/gal) | 1. | ÷., | ; • • | 1. | 1 | | 1. 1. | | : • • | | : |
| Relative density | | | | | | | | | | | |
| No data available. | | | | | | | | | 1. | . 11 | : |
| Vapor density | | | | | | | | | | 1 | : ' |
| N/A | | | | | | | | | | | |
| Evaporation rate | ¹ н. | 1, | : ' ' | 1. 1. | | | 1. 1. | | : • • | 1. | ١. |
| N/A | | 1 | | | 1 | | | : | : | | ; |
| Solubility in Water (H | | | | | | | | | | | |
| 2 | `: | : | | | | | 1 | | 111 | 1 | : |
| O): Insoluble | | | | | | | | | | | |
| Partition coefficient (n-oct | tanol/wa | ater): No | data av | /ailable | | | · · . | | | 1. | 1. |
| Viscosity: | | | 1 | | 1 | 1 | | | | | |
| Dynamic: N/A | | | | | | | | | | | |
| Kinematic: N/A | 1 | | | | : | | 1 | | | : | : |
| Other information | | | | | | | | : | | | |
| No data available | ' | ' , | 1 | · . | ' . | , | ' . | ' . | | · . | · . |
| <u></u> | | | | | | : . | | 1 | : | | |

| | | · . | 1 | 1. | · . | 1 | 1. | 1. | | · . | |
|-----------------------------|-----------------|------------|----------|----------|------------|-----------|------------|----------------|-------|----------|---|
| SECTION 10. S | TABI | | AND | REA | CTIVI | ΓY | | } | | | |
| Reactivity | | | | | | | | | | | : |
| No data available | | | | | | | | | | | |
| Chemical stability | с. С. | | 1.1.1 | | | | 1. | | : • • | 1. 1. | ; |
| Stable under recommend | ded sto | rage conc | ditions. | | | | | ; | : | | |
| Thermal decomposition | / condit | ions to be | | | | | | | , | | |
| Decomposition will not o | ccur if u | used and | stored | accordi | ng to spe | cificatio | ns. | : ¹ | | 1 | ; |
| Possibility of hazardous | reaction | าร | | | | | | | | | |
| No dangerous reactions | known | | | 14. 1 | | | | 1. | : ' ' | | ; |
| Conditions to avoid | | | 1 | | | 1 | | | ÷., | | |
| No data available | | | | | | | | | | | |
| Incompatible materials: | | | 1.1 | | | | | | . * * | | ; |
| Oxidizing agents | | | | | | | | | | | |
| Hazardous decompositio | | ucts: | 1 | · , | ` . | | · . | ` . | | · . | |
| Metal oxide fume | | : | 1, | | | 1. | | : | 1. | | |
| The state of the state | | | | 1 | | | 1 | | | · : | ; |
| SECTION 11. TO | OXIC | OLOG | SICA | LINF | | ΑΤΙΟ | N | | | | |
| | 14 | | | | 1. | ; ' ' | | 1. | | | ; |
| Information on toxicologi | | ects | 1 | | | | | | ÷. | | |
| Acute toxicity: | | | | | | | | | | | |
| No effects known. | | | | | | | | | . * * | | ; |
| LD/LC50 values that are | | | | | | | | | | | |
| No data | | | | | | | 11 | | | 14 | ; |
| Skin irritation or corrosio | n: | | 1 | | - | 1 | | - | ÷. | | |
| May cause irritation | | | | | | | | | | | |
| Eye irritation or corrosior | n: [:] | | | | | | : | | | 1 | ; |
| May cause irritation | | | | | | | | | | | |
| Sensitization: | · . | : | ı | 1. | | I | ' . | | | 1. | |
| No sensitizing effects kn | own. | | 1 | | 1 | 1 | | | | | |
| | | | | | | | | | | | |

| Germ cell mutagenicity: | | | 1 | | | ÷., | | | | |
|--|----------|--------------|----------|-----------|--------------|--------|-----------|--------------|---------|------|
| No effects known. | | | | | | | | | | |
| Carcinogenicity: | | : | | | | | | | | 1 |
| ACGIH A4: Not classifiab | le as a | human ca | arcinog | en: Inac | dequate d | ata on | which to | o classify | the age | ent |
| in' in | | | | | | | | | | 14 |
| terms of its carcinogenici | ty in hu | mans and | d/or ani | mals. | | | | | 1 | |
| Reproductive toxicity:No | effects | known. | | | | | | | | |
| Specific target organ syst | tem toxi | icity - rep | eated e | xposure | e: | | | | | 1 |
| No effects known. | | | | | | | | | | |
| Specific target organ sys | tem toxi | icity - sing | gle exp | osure: | | | | | | |
| No effects known. | | | | | | | | | | |
| Aspiration hazard: | | | | | | | | | | |
| No effects known. | : | ; | | | | | | | | : |
| Subacute to chronic toxic | ity: | | | | 1 | | | | | |
| No effects known. | · . | · . | 1 | · . | | | · . | | 1 | |
| Additional toxicological in | iförmati | on: | 1. | | | | | | 1 | . 11 |
| To the best of our knowle | edge the | e acute ar | nd chro | nic toxic | city of this | substa | ance is r | not fully ki | nown. | · . |

SECTION 12. ECOLOGICAL INFORMATION

| Toxicity | : | 1 | | | 1, | | 1 | 1 | | |
|-----------------------------------|--------|-----|---|----------------|-----|--------|----|-----|----|---|
| Aquatic toxicity: | : | | 1 | e ¹ | | `: | t. | | 1 | : |
| No data available | | | | | | | | | | |
| Persistence and degradabili | ty | | | 1. | 111 | 14 | 1. | 111 | 14 | |
| No data available | | 1 | | ÷ | ÷., | | | | | |
| Bioaccumulative potential | | | | | | | | | | |
| No data available | | | 1 | : | | | | | | |
| Mobility in soil | | | | | | | | | | |
| No data available | | :** | | ÷., | 111 | | 1 | 111 | 1. | ; |
| Additional ecological information | ation: | 1 | | | | | | 1 | | |
| | | | | | | | | | | |

| | | | | | | | | | | ' | |
|--|----------|-------------|--------------|------------|-----------|------------|---------|------|------------|--------|---|
| Do not allow material to l | be relea | ased to the | e envir | onment | without o | fficial p | ermits. | | 1 | | |
| Avoid transfer into the er | nvironm | | | | | | | | | | |
| Results of PBT and vPvB | 3 asses | sment | | | 1 | | | 1 | | | ; |
| PBT: | · . | 4. | | | 4. | 1 1 1 1 | · | 4. | 1 1 1 1 | · . | ; |
| vPvB: | | | | | | | | | | | |
| N/A Other adverse effects | `: `: | i' | | ' a | i' | | | i' | | `: | : |
| No data available | | : | | | | : · · | | | : · · | 1. | ; |
| | | | 1 | | | | | | | | |
| SECTION 13. D | ISPO | SAL C | CON: | SIDE | RATIC | DNS | 1 | : | | · ; | : |
| Waste treatment method | ls | | | | | | | | | | |
| Recommendation | 1. 1. | 1 | | 14. 19 | | | 1. | | ; • • | | ; |
| Consult official regulation Uncleaned packagings: | ns to en | sure prop | er disp | osal. | | ÷. | | : | ÷. | | |
| Recommendation: | 1 | : | | | : | | | : | | 1 | ; |
| Disposal must be made a | accordii | ng to offic | ial regu | ulations. | | | | | | | |
| <u>- 1</u> | | | 1.1.1 | - 1. | | | · | | | | ; |
| SECTION 14. TI | RANS | SPOR | F INF | ORN | ΙΑΤΙΟ | N | | : | 1. | | |
| UN-Number | | i' | | | : | | 1 | ef l | | | ; |
| DOT, ADN, IMDG, IATA N/A | 1. | 1. | | | 1, | ; | | 1, | ; | °. | : |
| UN proper shipping nam | e, | } | | | - | | | - | | | |
| DOT, ADN, IMDG, IATA Transport hazard class(e | | : | | 1 | 1 | | | : | | ·: | ; |
| DOT, ADR, ADN, IMDG, Class | ΙΑΤΑ | 1, | | | 1, | ; · · | | 1, | : | *•. | : |
| N/A | | | | | | | | | | | |

| | | | | | | | 1 | | | 1 | | |
|-------------------------|-----------|---------|-----------|---|--------|-------------------|-------|-------|-----|----|----------|---|
| Packing group | 1 | | | | | | 1 | | | | | |
| DOT, IMDG, IA | | | | | | | | | | | | |
| N/A | | | | | | | | | | | | : |
| Environmental h | | | | | | | | | | | | |
| N/A | | · · . | | | · · · | | | · · · | ÷., | | | - |
| Special precaut | ions, for | user | 1 | 1 | | 1 | 1 | | 1 | 1. | | |
| N/A Transport in bul | | | | | | | | | : | | `: | : |
| - | K accui | | Annex n c | | FUL73/ | <i>i</i> o anu ui | | Jule | | | | |
| N/A | : • • | 1. | | | 1. | | : ' ' | 1. | | | 1. 1. | 1 |
| Transport/Additi | onal inf | ormatio | n: | | | | | | | | | |
| DÖT | | | | | | | | | | 1 | | |
| Marine Pollutan | t (DOT) | : . | | | · . | | | · . | | | | : |
| No | | | | | | | | | | | | |

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SECTION 15. REGULATORY INFORMATION

| Safety, health and environmental regulati | ons/le | gislation | specific f | or the s | substan | ce or mixt | ure | 1 |
|--|-----------|-----------|------------|----------|----------|------------|-------|-----|
| National regulations | | | | | | | | |
| All components of this product are listed i | in the l | J.S. Env | vironment | al Prote | ection A | gency To | xic | ÷., |
| Substances Control Act Chemical substan | nce In | ventory. | | | | | 1 | |
| All components of this product are listed of | on the | Canadia | an Non-Do | omestic | : Substa | inces List | (NDSL |). |
| SARA Section 313 (specific toxic chemica | al listin | gs) | : | . 11 | 1 | : | . 11 | 1 |
| Substance is not listed. | | | | | | | | |
| California Proposition 65 | | · . | | | | | | ÷., |
| Prop 65 - Chemicals known to cause can | ceŗ | | 1 | 1 | | | 1 | |
| Substance is not listed. | | • . | | | | | | |
| Prop 65 - Developmental toxicity | I | r. | r. | | | i. | 1 | |
| Substance is not listed. | | · , | | | · . | | | |
| Prop 65 - Developmental toxicity, female | | | | | | | | |
| Substance is not listed. | 1 | | 1 | 1 | | 1 | 1 | |
| | | | | | | | | |

| Prop 65 - Developmental toxicity, male | Э ; | | | ÷., | | | | |
|--|------------|----------|-----------|------------|---------|----------|-----------|----------|
| Substance is not listed. | | | | | | | | |
| Information about limitation of use: | | | | | | | | |
| For use only by technically qualified in | dividuals | . | | | | | | |
| Other regulations, limitations and proh | ibitive re | gulatio | าร | | | 1 | | |
| Substance of Very High Concern (SVH | IC) acco | rding to | the RE/ | ACH Reg | ulation | s (EC) N | o. 1907/2 | 2006. |
| Substance is not listed. | | | .' | | | | | ۰. |
| The conditions of restrictions according | g to Artic | le 67 a | nd Anne | x XVII of | the Re | gulation | (EC) No | , |
| 1907/2006 (REACH) for the manufactu | uring, pla | icing or | n the mar | rket and u | use mu | st be ob | served. | · . |
| Substance is not listed. | | , | , | | , | | | ı |
| Annex XIV of the REACH Regulations | (requirin | ng Auth | orisation | for use) | . * * | | 1 | |
| Substance is not listed. | | | i. | | | t. | | · . |
| REACH - Pre-registered substances | | | | | | | | |
| Substance is listed. | | · | | | 1. | | | 1. 1. |
| Chemical safety assessment: | | | | , | | | | |
| A Chemical Safety Assessment has no | ot been c | arried | out. | · . | . * * | 1 | 1. | |

SECTION 16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.