

Page 1 of 5 **SDS-E-D100L**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & EU Standards

SDS Revision: 5.2

| | | 1. | PRODUCT | & COMP/ | <u>ANY</u> | IDEN | NTIF | | | Ν | | | | | |
|------------|---|--|--|---|---|---|--|--|--|--|---|---|---|---|---|
| 1.1 | Product Name: | DEOXIT | [®] D-SERIES | S, 100% SC | DLU | TION | , 0% | % VC |)C (| P/N | D10 |)0L) | | | |
| 1.2 | Chemical Name: | NA | | | | | | | | | | | | | |
| 1.3 | Synonyms: | - | eries; PN D100L | | | | | | | | | | | | |
| 1.4 | Trade Names: | | 00L Part Numbe | | | | | | | | | | | | |
| | | | 0L-2C, D100L-2C | CP, D100L-B2C, | | | | | 2 1) | | | | | | (2.3 ml) |
| | | | 0L-2DB (7.4 ml) | | | No. D1 | | | | | | | | | (25 ml) |
| | | Part No. D10 Part No. D50 | | | | No. D1 No. D5 | | | | | | | | | wipe) (100 wipes) |
| | | | 0FW-3X3 (100 w | ipes) | | No. D1 | | | | | Part I | | | | |
| | | Part No. D10 | 0L-12 (354 ml) | , | | No. D1 | | | | | | | | | PE (384 ml) |
| | | | 0L-16 (472 ml) | | | No. D1 | | | | | Part I | | | | |
| 4.5 | Product Use: | Part No. D10 | | | | No. D1 | 00L-5 | 5G (5 | 5 gal) | | Part I | No. D | 100L- | SWP | 10 |
| 1.5 1.6 | Distributor's Name: | 1 | mprove electroni | c contacts & con | nector | S. | | | | | | | | | |
| 1.0 | Distributor's Address: | CAIG Labora | tories, inc. her Court, Poway | CA 02064 6870 | 61167 | | | | | | | | | | |
| 1.7 | Emergency Phone: | | | | | A 2 4 | 0.20 | | | 1520 | C 1 | | | | |
| 1.9 | Business Phone / Fax: | | <u>EC: +1 (703) 5</u> | 27-3887 // + | 1 (80 | J) 424 | -930 | | GNZ | J52U | 0) | | | | |
| 1.9 | Business Phone / Fax: | +1 (800) 224- | -4123 | | | | | | | | | | | | |
| | | | 2. HA | ZARDS ID | FNT | IFIC/ | |)N | | | | | | | |
| 2.1 | Hazard Identification: | Prepared in a | ccordance with l | | | | | | nded | to cor | nplv w | ith O | SHA 2 | 29 CI | FR 1910.1200 |
| | | | IMIS, and Austral | | | | | | | | | | | | |
| | | DeoxIT [®] 100% | 6 solution is non- | volatile and non- | -flamm | able. | , | | | | | | | | |
| | | | CAUSES EYE IR | RITATION. | | | | | | | | | | | |
| | | Classification: | Eye Irritant 2B | | | | | | | | | | | | |
| 2.2 | Label Elements: | Hazard Stater | <u>ments</u> (H): H320 · | – Causes eye irr | ritation | | | | | | | | | | |
| | | | <u>Statements</u> (P): | | | | | | | | | | | | PICTOGRAM |
| | | | cautiously with | | | | | | | | | sent | and | F | REQUIRED |
| 2.3 | Other Warnings: | | continue rinsing. | | eye ırr | itation p | bersis | ts: Gei | med | cal he | lp. | | | | |
| 2.0 | outor Warningo. | KEEP OUT O | F REACH OF C | HILDREN | | | | | | | | | | | |
| | | 3 00 | OMPOSITIO | | וחם | | | | | | 1 | | | | |
| | | 3. 00 | | | | | | | | | LIMITS | | (ma/m ³ | ³) | |
| | | | | | | ACG | SIH | | NOHS | | | | HA | <i>′</i> | |
| | | | | | | рр | m | | ppm | | | pp | om | | |
| СНЕМІ | ICAL NAME(S) | CAS No. | RTECS No. | EINECS No. | % | TLV | STEL | ES- TWA | ES- STEL | ES- | | STE | -1 10 | DLH | OTHER |
| | IT [®] D-Series D100L | NA | NA | NA | 100 | | NA | NF | NF | | | | | NA | |
| Deox | IT D-Selles DTOOL | | | | | NA | | | | NF | NA | NA | A 1 | | |
| | | REACH Reg. No | . Non-Hazardous/P | roprietary | | NA | | | | NF | NA | N/ | 4 ľ | | |
| | | REACH Reg. No | | | | | | | | NF | NA | N/ | | | |
| | | | 4. F | IRST AID | ME/ | SUF | RES | | | • | - | | | | |
| 4.1 | First Aid: | Ingestion: | 4. F If ingested, do | IRST AID | ME/ | SUF | RES | has b | | swallo | wed, | drink | plent | | |
| 4.1 | First Aid: | Ingestion: | 4. F If ingested, do IMMEDIATELY. | IRST AID not induce vor If the patient is | ME/ | SUF | RES oduct | has to off | er wa | swallo ter or | wed, milk. | drink Neve | plent r give | wate | er or milk to an |
| 4.1 | First Aid: | Ingestion: | 4. F If ingested, do IMMEDIATELY. unconscious per | IRST AID not induce vor If the patient is son. Contact th | MEA miting. s vomit | If pro | RES oduct ntinue son C | has to off | er wa Cent | swallo ter or er or lo | wed, milk. ocal er | drink Neve nerge | plent r give ency n | wate | er or milk to an er. Provide an |
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| 4.1 | First Aid: | Ingestion: Eyes: Skin: Inhalation: | 4. F If ingested, do IMMEDIATELY. unconscious per estimate of the swallowed. Splashes are no for at least 15 mi Wash thoroughly least 15 minutes Remove victim to | TIRST AID not induce vor If the patient is son. Contact th time at which t likely however, inutes lifting upp with soap and of fresh air at oncon. Keep perso | MEA miting. s vomit he neal the m the m oer and water. ce. If t n warm | If pro ing, cor est Poi aterial duct get lower I In case reathin 1, quiet | RES oduct ntinue son C was i ids, or e of co g diffi and g | has to to off control ngeste ccasio contact, cult, ac jet me | er wa Cent ed an s, flus nally. imme dminis dical a | swallo ter or er or lo d the h with ediatel ster ox | wed, milk. ocal er amou copio y flush ygen. | drink Neve merge nt of us an | plent r give ency n the s nounts with p | wate numb substa s of lu blenty | er or milk to an er. Provide an ance that was ukewarm water v of water for at |
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| 4.2 | Effects of Exposure: | Ingestion: Eyes: Skin: Inhalation: Ingestion: Eyes: Skin: Inhalation: Ingestion: Eyes: Skin: Skin: Inhalation: | 4. F If ingested, do IMMEDIATELY. unconscious per estimate of the swallowed. Splashes are no for at least 15 m Wash thoroughly least 15 minutes Remove victim to artificial respirati If product is swa Moderately irrita watering. May be irritating some sensitive in None expected. Nausea, intestin Overexposure in | FIRST AID not induce vor If the patient is son. Contact th time at which t likely however, inutes lifting upp with soap and on. Keep perso lowed, may cau ting to the eyes to skin. The pr ndividuals. | MEA miting. s vomit he near the m vater. ce. If t n warm ise nau s. Sym roduct pomiting e redn e may | ASUF If pro- ing, con- est Poi aterial duct get lower I In case reathin h, quiet isea, vo ptoms can car and/or ess, itcl include | RES oduct ntinue son C was i s in th ids, oo e of cc g diffiin amiting of ove use a diarrh ning a redn | has to to officient ingeste ne eye ccasio pontact, g and/d erexpo llergic nea. nd wa ess, it | er wa Cent ed an s, flus nally. imme dminis dical a sure skin r skin r tering ching | swallo ter or r d the d the diatel ter ox tttentid rhea. may ir eactio | wed, milk. pocal er amou copio y flush ygen. nclude ns (e. | drink Neve merge nt of us an skin If bre redn g., ras | plent r give nory n the s nounts with p ess, it ess, it | wate numb subst s of lu blenty g stop tching welts | er or milk to an er. Provide an ance that was ukewarm water of water for at os give g, irritation and s, dermatitis) in reas. Frostbite |
| 4.2 | Effects of Exposure: | Ingestion: Eyes: Skin: Inhalation: Eyes: Skin: Inhalation: Ingestion: Eyes: Skin: Skin: Inhalation: Eyes: Skin: Skin: Inhalation: Eyes: Skin: Ski | 4. F If ingested, do IMMEDIATELY. unconscious per estimate of the swallowed. Splashes are no for at least 15 mi Wash thoroughly least 15 minutes Remove victim to artificial respirati If product is swa Moderately irrita watering. May be irritating some sensitive in None expected. Nausea, intestim. Overexposure in Symptoms of sk like symptoms. | FIRST AID not induce vor If the patient is son. Contact th time at which t likely however, inutes lifting upp with soap and on. Keep perso llowed, may cau ting to the eyes to skin. The pr ndividuals. | MEA miting. s vomit he neal the m ber and water. ce. If t n warm ise nau s. Sym roduct pomiting e redn e may an cau | ASUF If pro- ing, cor est Poi aterial duct get lower I In case reathin <u>n, quiet</u> isea, vo ptoms can car and/or ess, itcl include se alle | RES oduct ntinue son C was i s in th ids, oo of co g diffin and <u>c</u> of ove use a diarrh ning a redn rgic s | has to to officontrol ngeste ne eye ccasio pontact, cult, ac gand/ erexpo llergic nea. nd wa ess, it kin rea | er wa Cent ed an s, flus nally. imme dminis dical a sure skin i skin i tering ching action | swallo ter or r d the d the diatel ter ox ttentio rhea. may ir eactio | wed, milk. pocal en amou copio y flush ygen. nclude ns (e.g | drink Neve merge nt of us an skin If bre g., ras | plent r give nory n the s nounts with p eathing ess, it shes, affect | wate bumb substa s of lu blenty g stop tching welts ed ar derm | er or milk to an er. Provide an ance that was ukewarm water of water for at os give g, irritation and s, dermatitis) in reas. Frostbite natitis) in some |
| 4.2 | Effects of Exposure: Symptoms of Overexposure: | Ingestion: Eyes: Skin: Inhalation: Eyes: Skin: Inhalation: Ingestion: Eyes: Skin: Skin: Inhalation: Ingestion: Eyes: Skin: Non-irritating | 4. F If ingested, do IMMEDIATELY. unconscious per estimate of the swallowed. Splashes are no for at least 15 mi Wash thoroughly least 15 minutes Remove victim to artificial respirati If product is swa Moderately irrita watering. May be irritating some sensitive in None expected. Nausea, intestin. Overexposure in Symptoms of sk like symptoms. | TIRST AID not induce vor If the patient is son. Contact th time at which t likely however, inutes lifting upp with soap and on. Keep perso llowed, may cau ting to the eyes to skin. The pr ndividuals. al discomfort, vo eyes may caus in overexposure The product ca | MEA miting. s vomit he neal the m vater. ce. If b n water. ce. If | ASUF If pro- ing, coin est Poi aterial luct get lower I In case reathin <u>n, quiet</u> isea, vo ptoms can car and/or ess, itcl include se alle | RES oduct ntinue son C s in th ids, oo e of co g diffii and <u>c</u> omiting of ove use a diarrh ning a redn rgic s | has to to officient ingeste ne eye ccasio pontact, cult, ac g and/o erexpo llergic llergic nea. nd wa ess, it kin re- | er wa Cent ed an s, flus nally. imme dminis dical a or dia sure skin n tering ching action md sk | swallo ter or r d the d the diatel ter ox ttention rhea. may ir eactio | wed, milk. pocal en amou copio y flush ygen. nclude ns (e.g | drink Neve merge nt of us an skin If bre g., ras | plent r give nory n the s nounts with p eathing ess, it shes, affect | wate bumb substa s of lu blenty g stop tching welts ed ar derm | er or milk to an er. Provide an ance that was ukewarm water of water for at os give g, irritation and s, dermatitis) in reas. Frostbite natitis) in some |
| 4.2 | Effects of Exposure: Symptoms of Overexposure: | Ingestion: Eyes: Skin: Inhalation: Eyes: Skin: Inhalation: Ingestion: Eyes: Skin: Skin: Inhalation: Ingestion: Eyes: Skin: Non-irritating | 4. F If ingested, do IMMEDIATELY. unconscious per estimate of the swallowed. Splashes are no for at least 15 mi Wash thoroughly least 15 minutes Remove victim to artificial respirati If product is swa Moderately irrita watering. May be irritating some sensitive ii None expected. Nausea, intestin. Overexposure in Symptoms of sk like symptoms. individuals. | TIRST AID not induce vor If the patient is son. Contact th time at which t likely however, inutes lifting upp with soap and on. Keep perso llowed, may cau ting to the eyes to skin. The pr ndividuals. al discomfort, vo eyes may caus in overexposure The product ca | MEA miting. s vomit he neal the m vater. ce. If b n water. ce. If | ASUF If pro- ing, coin est Poi aterial luct get lower I In case reathin <u>n, quiet</u> isea, vo ptoms can car and/or ess, itcl include se alle | RES oduct ntinue son C s in th ids, oo e of co g diffii and <u>c</u> omiting of ove use a diarrh ning a redn rgic s | has to to officient ingeste ne eye ccasio pontact, cult, ac g and/o erexpo llergic llergic nea. nd wa ess, it kin re- | er wa Cent ed an s, flus nally. imme dminis dical a or dia sure skin n tering ching action md sk | swallo ter or r d the d the diatel ter ox ttention rhea. may ir eactio | wed, milk. pocal en amou copio y flush ygen. nclude ns (e.g | drink Neve merge nt of us an skin If bre g., ras | plent r give nory n the s nounts with p eathing ess, it shes, affect | wate bumb subst: s of lu blenty g stop tching welts ed ar derm | er or milk to an er. Provide an ance that was ukewarm water of water for at os give g, irritation and s, dermatitis) in reas. Frostbite natitis) in some |



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| | | 4. FIRST | AID ME | EASU | RES – | cont' | d | | | | |
|-----|---|---|---|---|---|--|--|---|---|---|--|
| 4.5 | Chronic Health Effects: | Non-irritating when used as direct May also induce skin sensitization | | | | | | | | e sensit | ive individuals. |
| 4.6 | Target Organs: | Eyes, Skin. | | | | | | | | | |
| 4.7 | Medical Conditions Aggravated by Exposure: | Pre-existing dermatitis, other ski target organs (eyes, skin). | n conditio | ons, and | disorders | s of the | HEALTH | - | | | 1 |
| | | target organs (eyes, skin). | | | | | FLAMM | ABILITY | ſ | | 0 |
| | | | | | | | PHYSIC | AL HAZ | ZARDS | | 0 |
| | | | | | | | PROTE | CTIVE E | | IENT | В |
| | | | | | | | EYES | SKIN | | | |
| | | 5. FIREI | FIGHT | | IFASU | RES | | | | | |
| 5.1 | Fire & Explosion Hazards: | This product is not flammable. H temperatures to form toxic gases | owever, if | involved | | | luct may d | ecompos | e at higl | ۱ | |
| 5.2 | Extinguishing Methods: | Water, Foam, CO ₂ , Dry Chemical. | | | to cool un | onened o | ontainers | | | | |
| 5.3 | Firefighting Procedures: | Fight fires for surrounding materia breathing apparatus (pressure-de after the fire is out. Use water sp fire upwind. Avoid spraying wate Prevent runoff from fire control o any natural waterway. Firefighte pressure self-contained breathing decomposition products and oxyg | als. As in mand) an oray to coo r directly i r dilution f rs must us apparatu | n any fire d full pro ol fire-ex into stora from ent se full bu s to prot | e, wear M potective ge posed sur age contai ering sewe unker gea | SHA/NIO ear. Ke rfaces an iners bec ers, drair r includir | SH approvep contain d to protectause of data s, drinking ng NIOSH- | ers cool ct person anger of g water s approved | until we al. Figh boil-over upply, o d positive | ll t r e | |
| | | 6. ACCIDEN | TAL R | ELEA | SE ME | ASU | RES | | | | |
| 6.1 | Spills: | Before cleaning any spill or lea Equipment. Plastic or rubber glo <u>Small Spills</u> : Wear appropriate pri material such as vermiculite or sa water or a material such as "spe plastic brooms, shovels, dustpans <u>Large Spills</u> : Keep incompatible or release. Isolate immediate haz done with minimal risk. Wear app | ves, respir rotective e and to soa edy dry" t and plac materials zard area a | rator, eye equipmer ak up the to soak u ce into a (e.g., org and keep | e protection t including product a up materia plastic con ganics suc unauthor | on and ap g gloves and place al. Swee ntainer or ch as oil) rized pers | ron may b and prote it into a c p up mate plastic lin away from sonnel out | e required ctive eye container erial using er within n spill. St of area. | d for clea wear. L for later g non-sp another tay upwi Stop spi | an-up of lse a no disposa arking r containe nd and a ll or rele | large spills. on-combustible al. Do not use naterials (e.g., er. away from spill base if it can be |
| | | 7. HANDLING | | | | | | | | | |
| 7.1 | Work & Hygiene Practices: | Do not eat, drink or smoke when necessary. Use chemical goggles | | | | | | | | | |
| 7.2 | Storage & Handling: | Use and store in a cool, dry, we sunlight. Avoid temperatures abordamage. | ve 120 °F. | . Keep a | away from | incompa | tible subst | ation, far ances. P | ns) away Protect co | / from h | eat and direct s from physical |
| 7.3 | Special Precautions: | Clean all spills promptly. Spilled n | naterial m | ay prese | nt a slippi | ng hazar | d. | | | | |
| | | 8. EXPOSURE CONT | | ۶ PF | RSON | | | | | | |
| 8.1 | Exposure Limits: | | | | | NOHSC | | | OSHA | | OTHER |
| | ppm (mg/m ³) | | | | | ES- | ES- | | | | |
| | | CHEMICAL NAME(S) NA | TLV NA | STEL NA | ES-TWA NA | STEL NA | PEAK NF | PEL NA | STEL NA | IDLH NA | NA |
| 8.2 | Ventilation & Engineering Controls: | General mechanical (e.g., fans) exhaust ventilation to effectively product. Ensure appropriate deco | or natural remove a | l ventilat and prev | ion is suff ent buildu | ficient wh up of var | nen this pi pors or mi | roduct is st genera | in use. ated fror | Use Ic n the h | ocal or general andling of this |
| 8.3 | Respiratory Protection: | No special respiratory protection instances where dusts of this pr protection authorized by 29 CFR Standard Z94.4-93 and applicable | oduct are §1910.13 standard | generat 34, appli is of Can | ted, and r cable U.S adian Pro | espirator . State re vinces, E | y protectic egulations, <u>C member</u> | on is nee , or the C r States, o | ded, use Canadiar or Austra | e only CAS Ilia. | |
| 8.4 | Eye Protection: | Avoid eye contact. None required handling or using large quantities | | | nditions of | fuse. Sa | afety glass | es could | be used | when | \bigcirc |
| 8.5 | Hand Protection: | None required under normal con individuals. When handling large plastic gloves. | quantities | s (e.g., ≥ | 1 gallon | (3.8 L)), | wear rubb | er, nitrile | or impe | rvious | |
| 8.6 | Body Protection: | No apron required when handling wash stations and deluge showed large quantities of this product, wa | ers should | be avai | lable. Up | on comp | pletion of v | vork activ | | | |



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| | | 9. PHYSICAL & CHEMICAL PROPERTIES |
|--------------------------------------|--|---|
| 9.1 | Appearance: | |
| 9.2 | Odor: | Light red |
| 9.3 | Odor Threshold: | Ethereal / hydrocarbon odor |
| 9.4 | pH: | NA |
| 9.5 | Melting Point/Freezing Point: | NA |
| 9.6 | Initial Boiling Point/Boiling Range: | >220 °C (428 °F) |
| 9.7 | Flashpoint: | >250 °C (482 °F) |
| 9.8 | Upper/Lower Flammability Limits: | NA |
| 9.9 | Vapor Pressure: | < 0.1 mm Hg @ 20 °C (68 °F) |
| 9.10 | Vapor Density: | NA |
| 9.11 | Relative Density: | 0.884 |
| 9.12 | Solubility: | Soluble |
| 9.13 | Partition Coefficient (log Pow): | NA |
| 9.14 | Autoignition Temperature: | NA |
| 9.15 | Decomposition Temperature: | NA |
| 9.16 | Viscosity: | 5.4-7.5 cSt @ 104 °F |
| 9.17 | Other Information: | NA |
| | | 10. STABILITY & REACTIVITY |
| 10.1 | Stability: | Stable under normal conditions unstable with heat or contamination. |
| 10.2 | Hazardous Decomposition | |
| | Products: | Oxides of carbon (CO, CO ₂). |
| 10.3 | Hazardous Polymerization: | Will not occur. |
| 10.4 | Conditions to Avoid: | Open flames, sparks, high heat, incompatible substances and direct sunlight. |
| 10.5 | Incompatible Substances: | Avoid extreme heat and ignition sources. Store away from oxidizers. |
| | | 11. TOXICOLOGICAL INFORMATION |
| 11.1 | Routes of Entry: | Inhalation: YES Absorption: YES Ingestion: NO |
| 11.2 | Toxicity Data: | This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is |
| 11.3 | Acute Toxicity: | available for some of the components of the product and is not presented in this document. |
| 11.4 | Chronic Toxicity: | Moderate irritation to eyes and skin near affected areas. |
| 11.4 | Suspected Carcinogen: | This material may aggravate any pre-existing skin condition (e.g., dermatitis). |
| 11.6 | Suspected Carcinogen. | N1- |
| 11.0 | | No. |
| · | Reproductive Toxicity: | This product is not reported to produce reproductive toxicity in humans. |
| | Reproductive Toxicity: Mutagenicity: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. |
| | Reproductive Toxicity: Mutagenicity: Embryotoxicity: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. |
| | Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. |
| 11.7 | Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. |
| 11.7 | Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. |
| 11.7 11.8 11.9 | Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. |
| 11.8 | Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. |
| 11.8 11.9 | Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. 12. ECOLOGICAL INFORMATION |
| 11.8 | Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. 12. ECOLOGICAL INFORMATION There is no specific data available for this product. |
| 11.8 11.9 12.1 | Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. 12. ECOLOGICAL INFORMATION There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. |
| 11.8 11.9 12.1 12.2 | Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. |
| 11.8 11.9 12.1 12.2 12.3 | Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals: Effects on Aquatic Life: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. The product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. |
| 11.8 11.9 12.1 12.2 | Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals: | This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. There is no specific data available for this product. |



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| | | 14. TRANSPORTATIO | |
|------|-------------------------------|---|---|
| The | basic description (ID Num | | n, packing group) is shown for each mode of transportation. Additional |
| desc | riptive information may be | required by 49 CFR, IATA/ICAO, IMDG and the C | TDGR. |
| 14.1 | 49 CFR (GND): | NOT REGULATED | |
| 14.2 | IATA (AIR): | NOT REGULATED | |
| 14.3 | IMDG (OCN): | NOT REGULATED | |
| 14.4 | TDGR (Canadian GND): | NOT REGULATED | |
| 14.5 | ADR/RID (EU): | NOT REGULATED | |
| 14.6 | SCT (MEXICO): | NOT REGULATED | |
| 14.7 | ADGR (AUS): | NOT REGULATED | |
| | | | |
| | | 15. REGULATORY I | NFORMATION |
| 15.1 | SARA Reporting Requirements: | This product does not contain any substances su | ubject to SARA Title III, section 313 reporting requirements. |
| 15.2 | SARA TPQ: | There are no specific Threshold Planning Quant | |
| 15.3 | TSCA Inventory Status: | The components of this product are listed on the | |
| 15.4 | CERCLA Reportable Quantity: | NA | |
| 15.5 | Other Federal Requirements: | NA | |
| 15.6 | Other Canadian Regulations: | This product has been classified according to th | e hazard criteria of the Controlled Products Regulations (CPR) and the the CPR. The components of this product are listed on the DSL/NDSL. d on the Priorities Substances List |
| 15.7 | State Regulatory Information: | criteria lists: California Proposition 65 (CA65), List (FL), Massachusetts Hazardous Substar Hazardous Substances List (MN), New Jersey Pennsylvania Right-to-Know List (PA), Was Substances List (WI). | ncentration of 1.0% or greater, are listed on any of the following state Delaware Air Quality Management List (DE), Florida Toxic Substances nces List (MA), Michigan Critical Substances List (MI), Minnesota Right-to-Know List (NJ), New York Hazardous Substances List (NY), shington Permissible Exposures List (WA), Wisconsin Hazardous nown to the State of California to cause cancer, birth defects, or other nown 265Warnings ca gov |
| 15.8 | Other Requirements: | NA | ww.roowannings.ca.gov. |
| | - 1 | | |
| | | 16. OTHER INFO | DRMATION |
| 16.1 | Other Information: | WARNING! CAUSES EYE IRRITATION. | es. In case of accident or if you feel unwell seek medical advice |
| 16.2 | Terms & Definitions: | See last page of this Safety Data Sheet. | |
| 16.3 | Disclaimer: | This Safety Data Sheet is offered pursuant to C government regulations must be reviewed fo Laboratories, Inc.'s knowledge, the information accuracy, suitability or completeness is not gual provided. The information contained herein rel | DSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other r applicability to this product. To the best of ShipMate's & CAIG n contained herein is reliable and accurate as of this date however, ranteed and no warranties of any type, either expressed or implied, are ates only to the specific product(s). If this product(s) is combined with be considered. Data may be changed from time to time. Be sure to |
| 16.4 | Prepared for: | CAIG Laboratories, Inc. 12200 Thatcher Court Poway, CA 92064-6876 Tel: +1 (800) CAIG-123 (244-4123) Fax: +1 (858) 486-8398 fax http://www.caig.com/ | CARGE LABORATORIES, INC. |
| 16.5 | Prepared by: | ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com | ShipMate Dangerous Goods Training & Consulting |



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SDS Revision Date: 11/16/2024

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

| CAS No. | Chemical Abstract Service Number |
|------------|--|
| RTECS No. | Registry of Toxic Effects of Chemical Substances Number |
| EINECS No. | European Inventory of Existing Commercial Chemical Substances Number |
| | |

EXPOSURE LIMITS IN AIR:

| ACGIH | American Conference on Governmental Industrial Hygienists |
|-------|--|
| IDLH | Immediately Dangerous to Life and Health |
| NOHSC | National Occupational Health and Safety Commission (Australia) |
| OSHA | U.S. Occupational Safety and Health Administration |
| PEL | Permissible Exposure Limit |
| STEL | Short Term Exposure Limit |
| TLV | Threshold Limit Value |
| TWA | Time Weighted Average |

FIRST AID MEASURES:

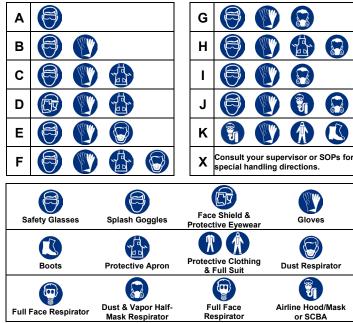
| CPR | Cardiopulmonary resuscitation - method in which a person whose heart has |
|-----|---|
| | stopped receives manual chest compressions and breathing to circulate blood |
| | and provide oxygen to the body. |

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

| 0 | Minimal Hazard | HEALTH |
|---|-----------------|---------------------|
| 1 | Slight Hazard | FLAMMABILITY |
| 2 | Moderate Hazard | PHYSICAL HAZARDS |
| 3 | Severe Hazard | PERSONAL PROTECTION |
| 4 | Extreme Hazard | |

PERSONAL PROTECTION RATINGS:



OTHER STANDARD ABBREVIATIONS:

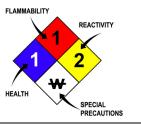
| Carc | Carcinogenic |
|---------|--|
| Irrit | Irritant |
| NA | Not Available |
| NR | No Results |
| ND | Not Determined |
| NE | Not Established |
| NF | Not Found |
| SCBA | Self-Contained Breathing Apparatus |
| Sens | Sensitization |
| STOT RE | Specific Target Organ Toxicity – Repeat Exposure |
| STOT SE | Specific Target Organ Toxicity – Single Exposure |

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA FLAMMABILITY LIMITS IN AIR: Autoignition Minimum temperature required to initiate combustion in air with no oth Temperature of ignition

| Autoignition Temperature | Minimum temperature required to initiate combustion in air with no other source of ignition |
|-----------------------------|--|
| LEL | Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source |
| UEL | Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source |

HAZARD RATINGS:

| 0 | Minimal Hazard | FLA |
|---------|-----------------|-----|
| 1 | Slight Hazard | FLA |
| 2 | Moderate Hazard | |
| 3 | Severe Hazard | |
| 4 | Extreme Hazard | |
| ACD | Acidic | • |
| ALK | Alkaline | |
| COR | Corrosive | / |
| W | Use No Water | HEA |
| OX | Oxidizer | |
| TREEOII | Radioactive | |



TOXICOLOGICAL INFORMATION:

| LD ₅₀ | Lethal Dose (solids & liquids) which kills 50% of the exposed animals |
|--|---|
| LC ₅₀ | Lethal concentration (gases) which kills 50% of the exposed animal |
| ppm | Concentration expressed in parts of material per million parts |
| TD _{io} | Lowest dose to cause a symptom |
| TCLo | Lowest concentration to cause a symptom |
| TD _{lo} , LD _{lo} , & LD _o or | Lowest dose (or concentration) to cause lethal or toxic effects |
| TC, TC _o , LC _{io} , & LC _o | |
| IARC | International Agency for Research on Cancer |
| NTP | National Toxicology Program |
| RTECS | Registry of Toxic Effects of Chemical Substances |
| BCF | Bioconcentration Factor |
| TLm | Median threshold limit |
| log Kow or log Koc | Coefficient of Oil/Water Distribution |

REGULATORY INFORMATION:

| WHMIS | Canadian Workplace Hazardous Material Information System | | | | |
|-------|--|--|--|--|--|
| DOT | U.S. Department of Transportation | | | | |
| тс | Transport Canada | | | | |
| EPA | U.S. Environmental Protection Agency | | | | |
| DSL | Canadian Domestic Substance List | | | | |
| NDSL | Canadian Non-Domestic Substance List | | | | |
| PSL | Canadian Priority Substances List | | | | |
| TSCA | U.S. Toxic Substance Control Act | | | | |
| EU | European Union (European Union Directive 67/548/EEC) | | | | |
| WGK | Wassergefährdungsklassen (German Water Hazard Class) | | | | |

CLP/GHS (1272/2008/EC) PICTOGRAMS:

| | | | \Diamond | A Contraction of the second se | | | | |
|-----------|-----------|----------|-------------|--|-------|-----------------------|------------------|-------------|
| GHS01 | GHS02 | GHS03 | GHS04 | GHS05 | GHS06 | GHS07 | GHS08 | GHS09 |
| Explosive | Flammable | Oxidizer | Pressurized | Corrosive | Toxic | Harmful Irritating | Health Hazard | Environment |