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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision: 1.0

| | | 4 | | | | | | | | 1 | | | | |
|---|--|---|---|--|--|--|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------|----------------------------|--------------------|
| 4.4 | Draduat Nama | | | T & COM | | | | | | N | | | | |
| 1.1 | Product Name: | <u>ABC WO</u> | RKING H | AIR SPR/ | AY, 42 | 42% | <u>6 VO</u> | C | | | | | | |
| 1.2 | Chemical Name: | Aerosol | | | | | | | | | | | | |
| 1.3 | | SW-3023 | | | | | | | | | | | | |
| 1.4 | | ABC Working | Hair Spray, 42 | .42% VOC | | | | | | | | | | |
| 1.5 | | Aerosol Hair S | | | | | | | | | | | | |
| 1.6 | | | ing of CA, Inc. | | | | | | | | | | | |
| 1.7 | | 5165 "G" Stree | et, Chino CA 9 | 1710 USA | | | | | | | | | | |
| 1.8 | Emergency Phone: | CHEMTRE | C: +1 (703) | 527-3887 / | +1 (800 |) 424 | -9300 |) | | | | | | |
| 1.9 | Business Phone / Fax: | +1 (909) 628-4 | 4707 / +1 (909) |) 591-8916 | | | | | | | | | | |
| | | | 2 11/ | | | IFIC | ΔΤΙΟ | Л | | | | | | |
| 2.1 | Hazard Identification: | This product is | | | | | | | 2ERO | | פחסר | accor | ding to | the classification |
| | | | | 04) and ADG C | | | | 5 DAIN | JERO | 03 60 | 5003 | accon | ung to | |
| | | | | | | | | TAINE | R: M/ | Y BL | IRST | IF HE | ATED. | CAUSES EYE |
| | | RRITATION. | | | | | | | | | | | | |
| | | Classification: | Aerosol 2; Sk | in Sens. 1B; E | ye Irrit. 2 | | | | | | | | | |
| 2.2 | Label Elements: | Hazard Stater | <u>ments</u> (H): H22 | 23 – Flammab | le aeroso | . H22 | 9 – Pr | essuriz | ed co | ntaine | r: may | burst | if | |
| | | | Causes eye | | | | | | | | | | | |
| | | | | P): P210 – Ke | | | | | | | | | | • |
| | | | | No smoking. | | | | | | | | | | $\mathbf{\Lambda}$ |
| | | source. P2 | 51 – Do no | ot pierce or P264 – Wasł | burn, ev | en af | ter us | ie. I | 261 | – Av | old bi | reathin | g | |
| | | | | P204 – Wasi P305+P351+F | | | | | | | | | | |
| | | | | e contact lens | | | | | | | | | | $\mathbf{\cdot}$ |
| | | | | n persists get r | | | | | | | | | | |
| | | | | P410+P412 - | | | | | | | | | | • |
| | | | | P501 – Dispos | | | | | | | | | | |
| | | or disposal fa | cility (TSDF). | | | | | | | | | - | | |
| 2.3 | Other Warnings: | KEEP OUT O | F REACH OF | CHILDREN. N | lote: Con | tains a | tree n | ut. | | | | | | |
| | | | | | | | | | | | | | | |
| | | 3. CC | OMPOSIT | ION & INC | GREDI | ENT | INF | OR | ΛΑΤ | ION | | | | |
| | | | | | | | | | | | IMITS IN | I AIR (m | | I |
| | | | | | | | GIH | | NOHSC | | | OSHA | | _ |
| | | | | | | р | om | 50 | ppm | 50 | | ppm | | _ |
| СНЕМІ | CAL NAME(S) | CAS No. | RTECS No. | EINECS No. | % | TLV | STEL | ES- TWA | ES- STEL | ES- PEAK | PEL | STEL | IDLH | OTHER |
| | | 64-17-5 | KQ6300000 | 200-578-6 | 30-40 | 1000 | 3000 | 1000 | 1800 | NF | 1000 | 1900 | 3300 | |
| ETHA | NOL (SD ALCOHOL 40B) | Flam.Liq.2; H2 | 25 | • | | | | | | | | | | • |
| | JOROETHANE (R-152a) | 75-37-6 | KI4100000 | 200-866-1 | 30-50 | 1000 | NA | 1000 | NF | NF | NA | NA | NA | |
| | (1,-102a) | Flam. Gas 1; H | | 004 | 110.51 | | | | | | | | | |
| DIME | THYL ETHER | 115-10-6 | NA | 204-065-8 | 10-20 | NA | NA | 400 | 760 | NF | NA | NA | NA | |
| | | | Press. Gas; H220 | | 5.40 | | | NE | NE | | | | | |
| WATER (AQUA/EAU) | | 7732-18-5 | NA | 231-791-2 | 5-10 | NA | NA | NF | NF | NF | NA | NA | NA | |
| ACDV | LATES/HYDROXYESTERS | NA | NA | NA | 1-5 | NA | NA | NF | NF | NF | NA | NA | NA | |
| | LATES COPOLYMER | | | | | | | | | | | | | |
| ACRYLATES/T- BUTYLACRYLAMIDE COPOLYMER | | | | | 10 | 1473 | | INI | INF | INI | 11/1 | | | |
| | | NA | NA | NA | | | | | | | | NA | NA | |
| | | | NA | NA | 1-5 | NA | NA | NF | NF | NF | NA | NA | NA | |
| ANAINI | LACRYLAMIDE COPOLYMER | | NA UA5950000 | NA 204-709-8 | | | | | | | | NA | NA | |
| AMIN | | 124-68-5 | UA5950000 | | 1-5 0.1-1 | NA | NA | NF | NF | NF | NA | | | |
| | LACRYLAMIDE COPOLYMER | 124-68-5 | UA5950000 | 204-709-8 | 1-5 0.1-1 | NA | NA | NF NF | NF | NF | NA | | | |
| | LACRYLAMIDE COPOLYMER | 124-68-5 Eye Irrit. 2; Sk NA | UA5950000 in Irrit. 2; Aquatic NA | 204-709-8 c Chronic 3; H319 NA | 1-5 0.1-1 9, H315, H4 0.1-1 | NA NA 12 NA | NA NA | NF NF NF | NF NF NF | NF NF NF | NA NA NA | NA | NA | |
| FRAG | LACRYLAMIDE COPOLYMER OMETHYL PROPANOL RANCE / PARFUM | 124-68-5 Eye Irrit. 2; Sk NA 106-24-1 | UA5950000 in Irrit. 2; Aquatic NA RG5830000 | 204-709-8 c Chronic 3; H319 NA 203-377-1 | 0.1-1 0.1-1 0. H315, H4 0.1-1 0-0.1 | NA NA 12 | NA | NF NF | NF NF | NF | NA | NA | NA | ALLERGEN |
| FRAG | LACRYLAMIDE COPOLYMER OMETHYL PROPANOL RANCE / PARFUM | 124-68-5 Eye Irrit. 2; Sk NA 106-24-1 Skin Irrit. 2, Sk | UA5950000 in Irrit. 2; Aquatic NA RG5830000 in Sens. 1, Eye I | 204-709-8 Chronic 3; H319 NA 203-377-1 Dam. 1; H315, H3 | 1-5 0.1-1 0, H315, H4 0.1-1 0-0.1 317, H318 | NA NA 12 NA NA | NA NA NA | NF NF NF | NF NF NF | NF NF NF | NA NA NA | NA NA NA | NA NA NA | 1 |
| FRAG | LACRYLAMIDE COPOLYMER OMETHYL PROPANOL RANCE / PARFUM | 124-68-5 Eye Irrit. 2; Sk NA 106-24-1 | UA5950000 in Irrit. 2; Aquatic NA RG5830000 | 204-709-8 c Chronic 3; H319 NA 203-377-1 | 0.1-1 0.1-1 0. H315, H4 0.1-1 0-0.1 | NA NA 12 NA | NA NA | NF NF NF | NF NF NF | NF NF NF | NA NA NA | NA | NA | ALLERGEN |
| FRAG GERA | LACRYLAMIDE COPOLYMER OMETHYL PROPANOL RANCE / PARFUM | 124-68-5 Eye Irrit. 2; Sk NA 106-24-1 Skin Irrit. 2, Sk 5989-27-5 | UA5950000 in Irrit. 2; Aquatic NA RG5830000 in Sens. 1, Eye I GW6360000 | 204-709-8 Chronic 3; H319 NA 203-377-1 Dam. 1; H315, H: 227-813-5 | 0.1-1 0.1-1 0. H315, H4 0.1-1 0-0.1 317, H318 0-0.1 | NA NA 12 NA NA | NA NA NA NA | NF NF NF NF | NF NF NF NF | NF NF NF NF | NA NA NA NA | NA NA NA | NA NA NA | 1 |
| FRAG GERA LIMOI | LACRYLAMIDE COPOLYMER OMETHYL PROPANOL RANCE / PARFUM | 124-68-5 Eye Irrit. 2; Sk NA 106-24-1 Skin Irrit. 2, Sk | UA5950000 in Irrit. 2; Aquatic NA RG5830000 in Sens. 1, Eye I | 204-709-8 Chronic 3; H319 NA 203-377-1 Dam. 1; H315, H3 | 1-5 0.1-1 0, H315, H4 0.1-1 0-0.1 317, H318 | NA NA 12 NA NA | NA NA NA | NF NF NF | NF NF NF | NF NF NF | NA NA NA | NA NA NA | NA NA NA | 1 |
| FRAG GERA LIMOI | LACRYLAMIDE COPOLYMER OMETHYL PROPANOL RANCE / PARFUM NIOL NENE | 124-68-5 Eye Irrit. 2; Sk NA 106-24-1 Skin Irrit. 2, Sk 5989-27-5 65-85-0 | UA5950000 in Irrit. 2; Aquatic NA RG5830000 tin Sens. 1, Eye I GW6360000 NA | 204-709-8 Chronic 3; H319 NA 203-377-1 Dam. 1; H315, H: 227-813-5 200-618-2 | 0.1-1 0. H315, H4 0.1-1 0-0.1 317, H318 0-0.1 0-0.1 | NA NA 12 NA NA NA | NA NA NA NA NA | NF NF NF NF NF | NF NF NF NF NF | NF NF NF NF NF | NA NA NA NA NA | NA NA NA NA | NA NA NA NA | 1 |
| FRAG GERA LIMOI BENZ | LACRYLAMIDE COPOLYMER OMETHYL PROPANOL RANCE / PARFUM NIOL NENE | 124-68-5 Eye Irrit. 2; Sk NA 106-24-1 Skin Irrit. 2, Sk 5989-27-5 | UA5950000 in Irrit. 2; Aquatic NA RG5830000 in Sens. 1, Eye I GW6360000 | 204-709-8 Chronic 3; H319 NA 203-377-1 Dam. 1; H315, H: 227-813-5 | 0.1-1 0. H315, H4 0.1-1 0.0-0.1 317, H318 0-0.1 | NA NA 12 NA NA | NA NA NA NA | NF NF NF NF | NF NF NF NF | NF NF NF NF | NA NA NA NA | NA NA NA | NA NA NA | 1 |
| FRAG GERA LIMOI BENZ | LACRYLAMIDE COPOLYMER OMETHYL PROPANOL RANCE / PARFUM NIOL NENE OIC ACID | 124-68-5 Eye Irrit. 2; Sk NA 106-24-1 Skin Irrit. 2; Sk 5989-27-5 65-85-0 110-27-0 | UA5950000 in Irrit. 2; Aquatic NA RG5830000 tin Sens. 1, Eye I GW6360000 NA | 204-709-8 : Chronic 3; H319 NA 203-377-1 Dam. 1; H315, H: 227-813-5 200-618-2 203-751-4 | 0.1-1 0.1-1 0. H315, H4 0.1-1 0-0.1 317, H318 0-0.1 0-0.1 | NA NA 12 NA NA NA NA | NA NA NA NA NA NA | NF NF NF NF NF NF | NF NF NF NF NF NF | NF NF NF NF NF NF | NA NA NA NA NA NA | NA NA NA NA NA | NA NA NA NA NA | 1 |
| FRAG GERA LIMOI BENZ ISOPF | LACRYLAMIDE COPOLYMER OMETHYL PROPANOL RANCE / PARFUM NIOL NENE OIC ACID | 124-68-5 Eye Irrit. 2; Sk NA 106-24-1 Skin Irrit. 2, Sk 5989-27-5 65-85-0 | UA5950000 in Irrit. 2; Aquatic NA RG5830000 tin Sens. 1, Eye I GW6360000 NA | 204-709-8 Chronic 3; H319 NA 203-377-1 Dam. 1; H315, H: 227-813-5 200-618-2 | 0.1-1 0. H315, H4 0.1-1 0-0.1 317, H318 0-0.1 0-0.1 | NA NA 12 NA NA NA | NA NA NA NA NA | NF NF NF NF NF | NF NF NF NF NF | NF NF NF NF NF | NA NA NA NA NA | NA NA NA NA | NA NA NA NA | 1 |
| FRAG GERA LIMOI BENZ ISOPF | LACRYLAMIDE COPOLYMER OMETHYL PROPANOL RANCE / PARFUM NIOL NENE OIC ACID ROPYL MYRISTATE | 124-68-5 Eye Irrit. 2; Sk NA 106-24-1 Skin Irrit. 2; Sk 5989-27-5 65-85-0 110-27-0 | UA5950000 in Irrit. 2; Aquatic NA RG5830000 tin Sens. 1, Eye I GW6360000 NA | 204-709-8 : Chronic 3; H319 NA 203-377-1 Dam. 1; H315, H: 227-813-5 200-618-2 203-751-4 | 0.1-1 0.1-1 0. H315, H4 0.1-1 0-0.1 317, H318 0-0.1 0-0.1 | NA NA 12 NA NA NA NA | NA NA NA NA NA NA | NF NF NF NF NF NF | NF NF NF NF NF NF | NF NF NF NF NF NF | NA NA NA NA NA NA | NA NA NA NA NA | NA NA NA NA NA | 1 |



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ion: 1.0 SDS Revision Date: 4/13/2020

| IMMEDIATELY. If the patient is voniting, contrust to offer water or milk to a unconstruction person. Contract the nearest Poisson Control Center of local emergency number. Provide a sublational set in the substance that we available work of the product gets in the eyes, flush with copious amounts of lukewarm wate for all sets of minutes. If initiation course, contact a physician. Indexwarm water for face and a formations. If initiation neares, contact a physician. Indexwarm water or physician immediately. In the substance that we washing of the affected area with scap and water. If initiation, redness or swelling persists, contact physician immediately. Indexed persons of overexposure may include redness, tiching, initiation and watering. 42 Effects of Bysoure: Indexed persons of overexposure may include redness, tiching, initiation and watering. 5kin:: May be initiating to the eyes. Symptoms of overexposure may include redness, tiching, initiation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatils) in some escentive individuals. 4.3 Symptoms of Overexposure in eyes may cause relaxes. The product can cause allergic skin reactions (e.g., rashes, welts, dermatils) in some escentive individuals. 4.4 Avate item faffects Moderate inflation to syss. 5.4 Moderate inflation to syss. Moderate inflation to syss. 6.5 FIREFIGHTING MEASURES 7.4 May of Contrast 7.5 May of Contrast 8.6 FIREFIGHTING MEASURES < | | | 4. FIRST AID MEASURES |
|---|-----|---------------------------|---|
| Status Finitudes Finitudes Finitudes Finitudes 42 Effects of Exposure Initialition occurs and product is on the son, rinse brocognity with hukewarm water, followed by a thoroug washing of the affected area with soap and water. If imitation, redness or swelling persists, contact physician 42 Effects of Exposure Initialition Remove victim to Tesh air at once. 43 Statis Moderately initiality of the eyes. Symptoms of overexposure may include redness, liching, initiation an watering. 43 Symptoms of Diversposure Overexposure in pays may cause redness, liching and watering. Symptoms of skin overexposure may include redness, liching, and rintation or affected areas. 43 Symptoms of Diversposure Overexposure in pays may cause redness, liching and watering. Symptoms of skin overexposure may include redness in the product can cause allergic skin reactions (e.g., rashes, wells, dermattis) in individuals. 44 Acute Healts Effects No harmful or chronic health effects are expected to occur from a single accidental ingestion. Devester the pays individuals. 47 Medical Conditions Acute Healts Effects No harmful or chronic health effects are expected to occur from a single accidental ingestion. 51 For & Exposure Pre-expising dermattis, other skin conditions, and disorders of the HEALTH | 4.1 | First Aid: | IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was |
| washing of the affected area with scap and water. If imitation, redness or swelling persists, contact physician immediately initiation: Remove victim to fresh air at once. Initiation: Provide the second seco | | | |
| 42 Effects of Exposure: Ingesting: If product is swallowed, may cause nauses, vomiling and/or diarrhea. 43 Simplement of Diversional Control (e.g., rashes, welts, dermattis) is some sensitive individuals. Inhalaton: None expected. 43 Simplement of Diversional Control (e.g., rashes, welts, dermattis) is some sensitive individuals. Overexposure in eyes may cause redness, liching and watering. Symptoms of social controls (e.g., rashes, welts, dermattis) is some sensitive individuals. 44 Acuse Health Effects Overexposure in eyes may cause redness. The product can cause allergic skin reactions (e.g., rashes, welts, dermattis) is some sensitive individuals. 43 Simplement of Overexposure: Overexposure in eyes may cause redness. The product can cause allergic skin reactions (e.g., rashes, welts, dermattis) is some sensitive individuals. 44 Acuse Health Effects No harmful or chronic health effects are expected to occur from a single accidental ingestion. 45 Chrone Health Effects No harmful or chronic health effects are expected to occur from a single accidental ingestion. 46 Tage Organe Eyes Preventing dermattis, other skin conditions, and disorders of the HEALTH taget organe (eyes, skin, and respiratory system). HEALTH taget organe 51 The & Exploation Hixadus FLAMMABLE AEROSOL. Level 2 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120 °F. Coot uninvolved contalners to prevent possibl | | | washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. |
| Even Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation an Skin: 3 Symptoms of Overexposure consensitive individuals. Inhalation: None expected. 4.3 Symptoms of Overexposure consensitive individuals. Inhalation: None expected. 4.4 Advantements: Effects: and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) is consensitive individuals. 4.4 Advantements: Effects: and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) is consensitive individuals. 4.5 Ornor: How Effects: and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) is consensitive individuals. 4.6 Advantements: Effects: and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) is consensitive individuals. 4.7 Moderal Constreme and Organs Pre-existing dermatitis, other skin conditions, and disorders of the tright organs (eyes, skin, and respiratory system). If ell ALTH If ell ALTH If ell ALTH If ell ALTH If ell ALTH If ell ALTH If | | | |
| 1 Iteling and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermattis) i some sensitive individuals. 4.4 Auate Health Effects: Moderate irritation to eyes. 4.5 Chronic Health Effects: No harmful or chronic health effects are expected to occur from a single accidental ingestion. 4.7 Medical Conditions: Pre-existing dermattis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system). HEALTH 1 4.7 Medical Conditions: Pre-existing dermattis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system). HEALTH 1 5.1 File & Explosion Hazards: FLAMMABLE AEROSOL. Level 2 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120 °F. Cool uninvolved containers to preven tpossible bursting. Aerosols may be projectile hazards when bursting. If aerosols are bursting, active clear until bursting is complete. 5.2 Extinguishing Memode: Water Fog. Foam. Dry Chemical. CO: 5.3 Firefighting Procedure: As in any free, wear MSHANIOSH approved self-contained breathing apparatus (pressure demard) and full protective equines science of danger of boil over, nearchine direct from free organs and arease and to protect personal. Fight free upwind, Avoid spraying water directly into storage containers because of danger of boil over, Prevent rundiff tom free free danger and bursting. Aerosola and bursting sciences and organ borolect personal. Fight free upwind, Avoid sp | 4.2 | Effects of Exposure: | Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. |
| 45 Chronic Health Effects: No harmful or chronic health effects are expected to occur from a single accidental ingestion. 46 Tayed Ogams: Eyes 7.1 Medical Conditions Aggravated by Exposure: Pre-existing dermatilis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system). HEALTH 1 9.1 Fire A Conditions Aggravated by Exposure: Pre-existing dermatilis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system). HEALTH 1 9.1 Fire A Explosion Hazards: FLAMMABLE AEROSOL. Level 2 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120 · F. Cool uninvolved containers to prevent possible bursting, astrong be projectile hazards when bursting. If aerosols are bursting, stay clear until bursting is complete. 5.2 5.2 Extingualing Methods: Water Fog, Foam, Dry Chemical, CO, water directly into storage containers because of danger of boil over. Prevent runoff from fire syray to cool free-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraparatus to protect and oxygen deficiencies. Stelling Procedures: Contonic Medica Equiption produced against potential hazardous combustion or decomposition produced Stelling in the system set of | 4.3 | Symptoms of Overexposure: | |
| 410 Target Organs: Eyes Events 4.7 Medical Conditions Aggrovaled by Epocure: Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system). HEALTH 1 4.7 Medical Conditions Aggrovaled by Epocure: Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system). HEALTH 1 4.7 Medical Conditions Aggrovaled by Epocure: Pre-training to further by the system). Pre-training to further by the system of the processing to the system of | | | |
| 4.7 Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system). HEALTH 1 Fired System Fired System Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system). HEALTH 1 Fired System Fired System Sinter System O 5.1 Fire & Explosion Hazards: FLAMMABLE AEROSOL. Level 2 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120 °F. Cool uninvolved containers to prevent possible bursting, star colar unit bursting, is accosis may burst at temperatures above 120 °F. Cool uninvolved containers to prevent possible bursting, star colar unit bursting, is accosis are bursting, at accosis and protect prevent. 5.3 Firefighting Procedures: As in any fire, wear MSAINIOSH approved self-contained breathing apparatus (pressure- spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avid synay water and oxygen deficiencies. 6. ACCIDENTAL RELEASE MEASURES 6.1 Splite: Before cleaning any split or leak, individuals involved in split cleanup must wear appropriate Personal Protective Equipment (PPE). For small splits (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves Maximize ventiliation (copen doors and windows) and secure all sources of ignition. Remove splited material aborbert material an | | - | |
| S. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: FLAMMABLE AEROSOL. Level 2 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120 °F. Cool uninvolved containers to prevent possible bursting. Aerosols may be projectile hazards when bursting. If aerosols are bursting, stay clear until bursting is complete. 5.2 Extinguishing Methods: Water Fog. Foam. Dry Chemical, Co2 5.3 Firefighting Procedures: As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water control or dilution from entering severs, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. 6. ACCIDENTAL RELEASE MEASURES 6.1 Sprist is colspan= or proteinate into appropriate personal protective equipment (e.g., goggles, gloves Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material will absorbent material and place into appropriate closed containers(s) for disposal. Dispose of properly in accordance will local, state and federal regulations. Wash all affected areas and oxide of container with perly of warm water an soap. Remove any contaminated clothing and wash throroughly before reuse. For isong spills (e.g., < 1 gallon (3.8 L)), deer venty to all unprotected individuals. Dike and contain spill with hie material (e.g., sand or earth). Use ONLY non-sparking tools for r | | Medical Conditions | Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system). HEALTH 1 FLAMMABILITY 3 PHYSICAL HAZARDS 0 PROTECTIVE EQUIPMENT B |
| 5.1 Fire & Explosion Hazards: FLAMMABLE AEROSOL. Level 2 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120 °F. Cool uninvolved containers to prevent possible bursting. Aerosols may be projectile hazards when bursting. If aerosols are bursting, stay clear until bursting is complete. 5.2 Extinguishing Methods: Water Fog, Foam, Dry Chemical, CO ₂ 5.3 Firefighting Procedures: As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. 6.1 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protectiv Equipment (PPE). For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material wit absorbent material and place into appropriate closed containers for proper yin accordance wit local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water an soap. Remove any contaminated clothing and wash throroupoly before recuse. For leagoespille degains and solid diking ma | | I | |
| 1 Cold uninvolved contrainers to prevent possible bursting. Aerosols may be projectile hazards when bursting. If aerosols are bursting, stay clear until bursting is complete. 5.2 Extinguishing Methods: Water Fog, Foam, Dry Chemical, CO2 5.3 Firefighting Procedures: As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full burker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. 6.1 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protectiv Equipment (PEE). For <u>small spills</u> (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material will local spiporitie closed containers for proper disposal. Dispose of properity in accordance will local, state and federal regulations. Wash all affected areas and outside of containers with plenty of warm water an soap. Remove any contaminated clothing and wash thoroughly before reuse. 6.1 Yolls: Spills: (e.g., > 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike a | | | 5. FIREFIGHTING MEASURES |
| 5.3 Firefighting Procedures: As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. 6.1 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material wil absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of containers for liquid or containers for incovery and cleanup. Transfer liquid to container store liquid wash thoroughly before reuse. For large spills (e.g., < 1 gallon (3.8 L)), deny entry to all unprotected enup. Transfer liquid to container store liquid wash and affected asis and oxiside of container with plenty of warm water an soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., < 1 gallon (3.8 L)), deny entry to all unprotected enup. Transfer liquid to containers for proper disposal. Dike and contain spill with ine material (e.g., and or earth). Use ONLY non-sparking tools for re | 5.1 | Fire & Explosion Hazards: | above 120 °F. Cool uninvolved containers to prevent possible bursting. Aerosols may be projectile |
| 6.1 Spills: C. A CCIDENTAL RELEASE MEASURES 6.1 Spills: Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective and oxygen deficiencies. 6.1 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective against potential hazardous combustion or decomposition. Remove spilled material and pice into approach and windows) and secure all sources of ignition. Remove spilled material and pice into approach and shifting and the spill cleanup must wear appropriate Personal Protective associal and solid diking material and pice into appropriate closed containers for proper disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water an soap. Remove any contaminated clothing and wash throughly before reuse. For <u>small spills</u> (e.g., 2 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain resis for properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water an soap. Remove any contaminated clothing and wash thoroughly before reuse. 7.1 Work & Hygiene Practices: Do not eat, drink, or smoke while handling this product. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat and open flames. | | | Water Fog, Foam, Dry Chemical, CO ₂ |
| 6.1 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material wit absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance wit local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water an soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with ine material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothin promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sever and open bodies of water. 7.1 Work & Hygiene Practices: Do not eat, drink, or smoke while handling this product. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessiv heat and open flames. | 5.3 | Firefighting Procedures: | demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products |
| 6.1 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material wit absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance wit local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water an soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with ine material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothin promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sever and open bodies of water. 7.1 Work & Hygiene Practices: Do not eat, drink, or smoke while handling this product. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessiv heat and open flames. | | | 6. ACCIDENTAL RELEASE MEASURES |
| material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothin promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewer and open bodies of water. 7.1 Work & Hygiene Practices: Do not eat, drink, or smoke while handling this product. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessiv heat and open flames. | 6.1 | Spills: | Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). For <u>small spills</u> (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. |
| 7.1 Work & Hygiene Practices: Do not eat, drink, or smoke while handling this product. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessiv heat and open flames. | | | material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers |
| 7.1 Work & Hygiene Practices: Do not eat, drink, or smoke while handling this product. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessiv heat and open flames. | | | 7. HANDLING & STORAGE INFORMATION |
| 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessiv heat and open flames. | 7.1 | Work & Hygiene Practices: | |
| | | | Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive |
| | 7.3 | Special Precautions: | |



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| | | 8. EXPOSURE CONT | ROLS | 5 & PE | RSON | AL PF | ROTEC | TION | | | |
|--------------|--|--|------------------------|-----------------------|--------------------------|------------------------|--------------------------|----------------------|---------------------|--------------|---------------------|
| 8.1 | Exposure Limits: | | AC | GIH | | NOHSC | | | OSHA | 1 | OTHER |
| | ppm (mg/m ³) | CHEMICAL NAME(S) | TLV | STEL | ES-TWA | ES- STEL | ES- PEAK | PEL | STEL | IDLH | |
| | | ETHANOL | 1000 | 3000 | 1000 | 1800 | NF | 1000 | 1900 | 3300 | |
| | | DIFLUOROETHANE (R-152a) GERANIOL | 1000 | NA | 1000 | NF NF | NF NF | NA | NA | NA NA | ALLERGEN |
| | | LIMONENE | NA NA | NA NA | NF NF | NF | NF | NA NA | NA NA | NA | ALLERGEN |
| 8.2 | Ventilation & Engineering | General mechanical (e.g., fans) | | | | | | | | | |
| | Controls: | exhaust ventilation to effectively product. Ensure that an eyewash | remove | and prev | ent buildu | ip of vap | oors or mi | ist gener | ated fron | n the h | |
| 8.3 | Respiratory Protection: | No special respiratory protection necessary, use only respiratory §1910.134, or applicable U.S. sta E.C. member states, or Australia. | n is requ protecti | uired und on autho | der typica prized per | U.S. C | stances o)SHA's re | f use or quiremer | handling t in 29 | g. lf CFR | |
| 8.4 | Eye Protection: | Avoid eye contact. Protective eye with side-shield) at all times whe eyewear when cleaning spills or le and concentrate irritants. | en handli | ng large | quantities | of this | product. | Always | use prot | ective | 9 |
| 8.5 | Hand Protection: | None required under normal con individuals. If anticipated that pro wear latex or rubber gloves for §1910.138, the appropriate standa | olonged & routine i | & repeate | ed skin co use. If | ntact will necessar | occur dur y, refer to | ing use o | of this pro | oduct, | |
| 8.6 | Body Protection: | No special body protection is required refer to appropriate standards of C | | | | | | | If neces | ssary, | |
| | | 9. PHYSICAL | & CH | EMIC | AL PR | OPER | TIES | | | | |
| 9.1 | Appearance: | Aerosol. Clear liquid. | | | | | | | | | |
| 9.2 | Odor: | Mild odor | | | | | | | | | |
| 9.3 | Odor Threshold: | NA | | | | | | | | | |
| 9.4 | pH: | 8.50 ± 0.5 | | | | | | | | | |
| 9.5 | Melting Point/Freezing Point: | NA | | | | | | | | | |
| 9.6 | Initial Boiling Point/Boiling Range: | NA | | | | | | | | | |
| 9.7 | Flashpoint: | 10 °C (50 °F) | | | | | | | | | |
| 9.8 | Upper/Lower Flammability Limits: | NA | | | | | | | | | |
| 9.9 | Vapor Pressure: | 65 ± 5 psig (@ 70 °F) | | | | | | | | | |
| 9.10 | Vapor Density: | NA | | | | | | | | | |
| 9.11 | Relative Density: | 0.860 ± 0.012 (7.17 ± 0.10 lb/gal) | | | | | | | | | |
| 9.12 | Solubility: | Insoluble | | | | | | | | | |
| 9.13 9.14 | Partition Coefficient (log P _{ow}): Autoignition Temperature: | NA | | | | | | | | | |
| 9.14 9.15 | Decomposition Temperature: | NA NA | | | | | | | | | |
| 9.16 | Viscosity: | NA | | | | | | | | | |
| 9.17 | Other Information: | Concentrate VOC: 77.12. VOC: 4 | 2 12% 0 | arcont Sc | lide: 12.2 | + 0 5 U/ | at Combi | uction - 1 | 3.05 | | |
| 0.11 | | | | | | | | | 5.05 | | |
| 10.1 | Stability: | 10. STA This product is stable. | BILLI | ĭĕR | EACII | VIIY | | | | | |
| 10.2 | Hazardous Decomposition | Oxides of carbon (CO, CO ₂) and s | ulfur (SO | b a) | | | | | | | |
| 10.2 | Products: Hazardous Polymerization: | · · · · · · | unun (30 | 2]. | | | | | | | |
| 10.3 10.4 | Conditions to Avoid: | Will not occur. | .+ | | | | | | | | |
| 10.4 | Incompatible Substances: | Open flames, sparks and high hea | II. | | | | | | | | |
| | | None known. | | | | | | | | | |
| | | 11. TOXICO | LOGI | CAL I | NFOR | ΜΑΤΙΟ | ON | | | | |
| | Routes of Entry: | Inhalation: YES | | | Absorption: | YES | | | Ingesti | on: NO | DC |
| 11.1 | | | d on anin | nals to ob | otain toxico | ology data | a. Toxicol | logy data | found in | scient | ific literature, is |
| 11.1 11.2 | Toxicity Data: | This product has NOT been tested available for some of the component | | e product | | | ed in this o | document | | | |
| 11.2 | Toxicity Data: Acute Toxicity: | | | e product | | | ed in this c | document | | | |
| | | available for some of the compone | | e product | | | ed in this c | | | | |



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| | | 11. TOXICOLOGICAL INFORMATION – cont'd | |
|--------------|--|--|--|
| 11.6 | Reproductive Toxicity: | This product is not reported to produce reproductive toxicity in humans. | |
| | Mutagenicity: | This product is not reported to produce reproductive toxicity in numaris. | |
| | Embryotoxicity: | This product is not reported to produce embryotoxic effects in humans. | |
| | Teratogenicity: | This product is not reported to cause teratogenic effects in humans. | |
| | Reproductive Toxicity: | This product is not reported to cause reproductive effects in humans. | |
| 11.7 | Irritancy of Product: | See Section 4.2 | |
| 11.8 | Biological Exposure Indices: | NE | |
| 11.9 | Physician Recommendations: | Treat symptomatically. | |
| | , | | |
| | | 12. ECOLOGICAL INFORMATION | |
| 12.1 | Environmental Stability: | There are no specific data available for this product. | |
| 12.2 12.3 | Effects on Plants & Animals: Effects on Aquatic Life: | There are no specific data available for this product. There are no specific data available for this product. | |
| 12.3 | Ellects of Aquatic Life. | | |
| | | 13. DISPOSAL CONSIDERATIONS | |
| 13.1 | Waste Disposal: | Waste disposal must be in accordance with appropriate Federal, state, and local regulations |). |
| 13.2 | Special Considerations: | U.S. EPA Waste Number: D001 (characteristic - ignitable). | |
| | | | |
| The | havia departmention (ID Num | 14. TRANSPORTATION INFORMATION ber, proper shipping name, hazard class & division, packing group) is shown for each mode | of transportation Additional |
| desc | riptive information may be | e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. | |
| 14.1 | 49 CFR (GND): | CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1.0 L) – until 12/31/20 UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) | \diamond |
| 14.2 | IATA (AIR): | CONSUMER COMMODITY, 9, ID8000 (IP VOL ≤ 0.5 L) UN1950, AEROSOLS, FLAMMABLE, 2.1 (LTD QTY, IP VOL ≤ 0.5 L) | 🔶 🏠 or 🔶 🏠 |
| 14.3 | IMDG (OCN): | UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) | \diamond |
| 14.4 | TDGR (Canadian GND): | MARK PACKAGE ("LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (IP VOL \leq 1.0 L) or UN1950, AEROSOLS, FLAMMABLE, 2.1 (LTD QTY, IP VOL \leq 1.0 L) | \$ |
| 14.5 | ADR/RID (EU): | UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) | \diamond |
| 14.6 | SCT (MEXICO): | UN1950, AEROSOLES, 2.1 (CANT. LTDA., IP VOL ≤ 1.0 L) | \diamond |
| 14.7 | ADGR (AUS): | UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) | \diamond |
| | | 15. REGULATORY INFORMATION | |
| 45.4 | SARA Reporting Requirements | | |
| 15.1 15.2 | SARA Reporting Requirements | | ing requirements. |
| | | There are no specific Threshold Planning Quantities for the components of this product. | |
| 15.3 | TSCA Inventory Status: | The components of this product are listed on the TSCA Inventory. | |
| 15.4 | CERCLA Reportable Quantity: | NA | |
| 15.5 | Other Federal Requirements: | This product complies with the appropriate sections of the Food and Drug Administra (Cosmetics). This material does not contain any hazardous air pollutants. None of the components priority pollutants under the CWA. None of the components in this product are listed | in this product are listed a |
| 15.6 | Other Canadian Regulations: | CWA. This product has been classified according to the hazard criteria of the CPR and th contains all of the information required by the CPR. The components of this product are the DSL/NDSL. None of the components of this product are listed on the Priorities Substar WHMIS B5, D2B (Aerosol, Other Toxic Effects) | listed on |
| 15.7 | State Regulatory Information: | Ethanol is found on the following state criteria lists: Florida Toxic Substances List (FL Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Right-to-Know List (PA), California Proposition 65 ((CA65) ethanol in alcoholic beverages) Exposures List (WA). Difluoroethane can be found on the following state criteria lists: MA and NJ. | Know List (NJ), Pennsylvar |
| | | No other ingredients in this product, present in a concentration of 1.0% or greater, are state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Managem Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan C Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List Substances List (WI). This product does not contain any chemicals known to the State of other reproductive harm. For more information go to www.P65Warnings.ca.gov | ent List (DÉ), Florida Tox ritical Substances List (M York Hazardous Substanc : (WA), Wisconsin Hazardo |



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| | | 15. REGULATORY INFO | DRMATION – cont'd |
|------|----------------------|--|---|
| 15.8 | Other Requirements: | This product is found on the following invent Japan – ENCS; Korea – KECI; New Zealand – | ory lists: Australia - AICS, China – IECSC, Europe – ELINCS/EINEC, NZIoC; {Philippines – PICCS; USA – TSCA |
| | | 16. OTHER INF | ORMATION |
| 16.1 | Other Information: | IRRITATION. Use only as directed. Discontinuo open flames and other ignition sources. No superce or burn, even after use. Avoid breathing soap and warm thoroughly after handling. IF IN lenses, if present and easy to do. Continue rins | SSURIZED CONTAINER: MAY BURST IF HEATED. CAUSES EYE the use if irritation develops. Keep away from heat, hot surfaces, sparks, moking. Do not spray on open flame or other ignition source. Do not fume/gas/mist/vapors/spray. Wash hands and exposed skin areas with EYES: Rinse cautiously with water for several minutes. Remove contact ing. If eye irritation persists get medical advice/attention. Store in a well- ht. Do not expose to temperatures exceeding 50 °C (122 °F). |
| 16.2 | Terms & Definitions: | See last page of this Safety Data Sheet. | |
| 16.3 | Disclaimer: | government regulations must be reviewed for a of CA's knowledge, the information contained suitability or completeness is not guaranteed ar PROVIDED INCLUDING THE WARRANTIE PURPOSE. The information contained herein n | OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other oplicability to this product. To the best of ShipMate's & Shield Packaging I herein is reliable and accurate as of this date; however, accuracy, nd NO WARRANTIES OF ANY TYPE, EXPRESSED OR IMPLIED, ARE S OF MERCHANTIBILITY AND FITNESS FOR A PARTICULAR relates only to the specific product(s). If this product(s) is combined with the considered. Data may be changed from time to time. Be sure to |
| 16.4 | Prepared for: | Shield Packaging of CA, Inc. 5165 "G" Street Chino CA 91710 USA Tel: +1 (909) 628-4707 Fax: +1 (909) 591-8916 http://www.shieldpackaging.com | S |
| 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: 4/13/2020

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:

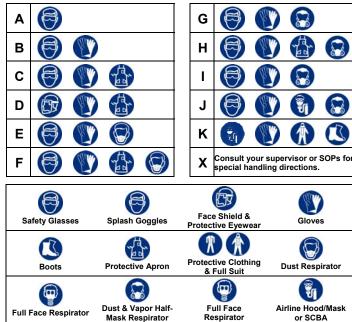
| | | Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body. |
|--|--|--|
|--|--|--|

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:

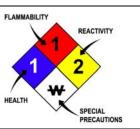
| Carc | Carcinogenic |
|---------|--|
| Irrit | Irritant |
| NA | Not Available |
| NR | No Results |
| ND | Not Determined |
| NE | Not Established |
| NF | Not Found |
| SCBA | Self-Contained Breathing Apparatus |
| Sens | Sensitization |
| STOT RE | Specific Target Organ Toxicity – Repeat Exposure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

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

| FLAMMABILI | TY LIMITS IN AIR: |
|-----------------------------|--|
| 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 | FL |
|---------|-----------------|-----|
| 1 | Slight Hazard | FD. |
| 2 | Moderate Hazard | |
| 3 | Severe Hazard | |
| 4 | Extreme Hazard | |
| ACD | Acidic | 8 |
| ALK | Alkaline | |
| COR | Corrosive | / |
| ₩ | Use No Water | HE |
| ох | Oxidizer | |
| TREFOIL | Radioactive | |



TOXICOLOGICAL INFORMATION:

| LD ₅₀ | LD ₅₀ Lethal Dose (solids & liquids) which kills 50% of the exposed animals | | | |
|--|--|--|--|--|
| LC ₅₀ | LC ₅₀ Lethal concentration (gases) which kills 50% of the exposed animal | | | |
| ppm | ppm Concentration expressed in parts of material per million parts | | | |
| TD _{Io} | Lowest dose to cause a symptom | | | |
| TCLo | TCLo Lowest concentration to cause a symptom | | | |
| TD _{lo} , LD _{lo} , & LD _o or | 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 K _{ow} or log K _{oc} | 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) | | | |

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

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|------------|-----------|-----------|----------|------------|------------|-----------|----------|
| Class A | Class B | Class C | Class D1 | Class D2 | Class D3 | Class E | Class F |
| Compressed | Flammable | Oxidizing | Toxic | Irritation | Infectious | Corrosive | Reactive |

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

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