SECTION 1: Identification

1.1. Identification

|  |  |  |
| --- | --- | --- |
| Product form | : | Mixture |
| Trade name | : | Polyurethane 350 VOC : Satin – Semi-Gloss |
| Product code | : | MP6682000 – MP6681000 |

1.2. Recommended use and restrictions on use

|  |  |  |
| --- | --- | --- |
| Recommended use | : | Wood floors |
| Restrictions on use | : | All other uses not recommended above |

1.3. Supplier

|  |
| --- |
| Mercury Paint Corporation 4808 Farragut Rd Brooklyn , New York 11203T 718-469-8787 info@mercurypaint.com  |

1.4. Emergency telephone number

|  |  |  |
| --- | --- | --- |
| Emergency number | : | 1-800-858-8787For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virgina, USA) CCN 14251 |

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

|  |  |
| --- | --- |
| Flammable liquids Category 3 | Flammable liquid and vapor |
| Skin sensitization, Category 1 | May cause an allergic skin reaction |
| Germ cell mutagenicity Category 1B | May cause genetic defects |
| Carcinogenicity Category 1A | May cause cancer |
| Reproductive toxicity Category 2 | Suspected of damaging fertility or the unborn child |
| Aspiration hazard Category 1 | May be fatal if swallowed and enters airways |

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Hazard pictograms (GHS US) | : | GHS02 | GHS07 | GHS08 |  |  |  |
| Signal word (GHS US) | : | Danger |
| Hazard statements (GHS US) | : | Flammable liquid and vaporMay be fatal if swallowed and enters airwaysMay cause an allergic skin reactionMay cause genetic defectsMay cause cancerSuspected of damaging fertility or the unborn child |
| Precautionary statements (GHS US) | : | Obtain special instructions before use.Do not handle until all safety precautions have been read and understood.Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.Keep container tightly closed.Ground/Bond container and receiving equipment.Use explosion-proof electrical/ventilating/lighting equipment.Avoid breathing spray, mist, vapors, gas.Contaminated work clothing must not be allowed out of the workplace.Wear protective gloves/protective clothing/eye protection/face protection.If swallowed: Immediately call a poison center or doctor.Do NOT induce vomiting.If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.If skin irritation or rash occurs: Get medical advice/attention.Wash contaminated clothing before reuse.If exposed or concerned: Get medical advice/attention.In case of fire: Use media other than water to extinguish.Store in a well-ventilated place. Keep cool.Store locked up.Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

|  |
| --- |
| 40.41% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)40.41% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)48.97% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist)) |

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
| --- | --- | --- | --- |
| Octamethyl Cyclotetrasiloxane | CAS-No.: 556-67-2 | 10.00 – 10.90 | Repr. 2, H361Aquatic Chronic 1, H410 |
| Stoddard Solvent | CAS-No.: 8052-41-3 | 17.8 – 18.2 | Flam. Liq. 3, H226Muta. 1B, H340Carc. 1B, H350Asp. Tox. 1, H304 |
| Paraffinic Napthenic Solvent | CAS-No.: 64742-47-8 | 7.8 -8.0 | Flam. Liq. 3, H226Asp. Tox. 1, H304 |
| Naphtha, petroleum, light steam-cracked, debenzenized, polymers | CAS-No.: 68131-99-7 | 1.25-3 | Comb. Dust |
| Dimethyl Carbonate | CAS-No.: 616-38-6 | 1-5 | Flam. Liq. 2, H225 |
| Quartz  | CAS-No.: 14808-60-7 | 0.5- 0.6 | Carc. 1A, H350 |
| 2-Butanone oxime | CAS-No.: 96-29-7 | 0.34 – 0.355 | Flam. Liq. 4, H227Acute Tox. 3 (Oral), H301Acute Tox. 4 (Dermal), H312Skin Irrit. 2, H315Eye Dam. 1, H318Skin Sens. 1, H317Carc. 1B, H350STOT SE 1, H370STOT SE 3, H336STOT RE 2, H373Aquatic Chronic 2, H411 |
| Hydrocarbons, C9, aromatics | CAS-No.: 64742-95-6 | 0.057 – 0.114 | Flam. Liq. 2, H225Muta. 1B, H340Carc. 1B, H350Asp. Tox. 1, H304 |
| Zinc bis(2-ethylhexanoate) | CAS-No.: 136-53-8 | * 1. 0.14
 | Eye Irrit. 2A, H319Repr. 2, H361 |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

|  |  |  |
| --- | --- | --- |
| First-aid measures general | : | IF exposed or concerned: Get medical advice/attention. First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth. |
| First-aid measures after inhalation | : | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious : Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a physician immediately. |
| First-aid measures after skin contact | : | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| First-aid measures after eye contact | : | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : | Rinse mouth and spit the fluids out. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a physician immediately. |

4.2. Most important symptoms and effects (acute and delayed)

|  |  |  |
| --- | --- | --- |
| Symptoms/effects after inhalation | : | Aspiration of the product into the lungs may cause very serious pneumonia. Inhalation may cause irritation (cough, short breathing, difficulty in breathing). |
| Symptoms/effects after skin contact | : | May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : | Direct contact with the eyes is likely to be irritating. |
| Symptoms/effects after ingestion | : | Ingestion may cause nausea and vomiting. During vomiting high danger of aspiration. Gastrointestinal disturbances. |
| Most Important Symptoms/Effects | : | Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Irritation to eyes, skin and respiratory tract. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. |
| Chronic symptoms | : | May cause cancer. May cause heritable genetic damage. Suspected of damaging fertility. |

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

|  |  |  |
| --- | --- | --- |
| Suitable extinguishing media | : | Carbon dioxide. Dry powder. Foam. |
| Unsuitable extinguishing media | : | Do not use a heavy water stream. |

5.2. Specific hazards arising from the chemical

|  |  |  |
| --- | --- | --- |
| Fire hazard | : | Flammable liquid and vapor. |
| Explosion hazard | : | Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. |
| Hazardous decomposition products in case of fire | : | Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Hydrocarbons. Sulphur oxides. Metallic oxides. |

5.3. Special protective equipment and precautions for fire-fighters

|  |  |  |
| --- | --- | --- |
| Firefighting instructions | : | In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Fight fire with normal precautions from a reasonable distance. Do not enter fire area without proper protective equipment, including respiratory protection. Eliminate all ignition sources if safe to do so. Get the package away from the fire if this can be done without risk. |
| Protection during firefighting | : | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

|  |  |  |
| --- | --- | --- |
| General measures | : | Avoid all personal contact including breathing in the mist, spray, vapors, gas. Do not take actions involving personal risks. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. |

6.1.1. For non-emergency personnel

|  |  |  |
| --- | --- | --- |
| Protective equipment | : | Wear recommended personal protective equipment. |
| Emergency procedures | : | Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Avoid breathing mist, spray, vapors, gas. If possible without taking personal risks, remove ignition sources, ventilate area. No open flames, no sparks, and no smoking. Prevent other non-emergency personnel from entering the danger area. |

6.1.2. For emergency responders

|  |  |  |
| --- | --- | --- |
| Protective equipment | : | Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : | Evacuate unnecessary personnel. Ventilate spillage area. Stop leak if safe to do so. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. All equipment used when handling the product must be grounded. |

6.2. Environmental precautions

Very toxic to aquatic life with long lasting effects. Do not let the product reach soil, drains, sewers, or surface and ground water. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

|  |  |  |
| --- | --- | --- |
| For containment | : | Contain with non-combustible inert absorbent. |
| Methods for cleaning up | : | Small spill: Take up in non-combustible inert absorbent and place into container for disposal. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Use non-sparking tools. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. This material and its container must be disposed of in a safe way, and as per local legislation. |

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

|  |  |  |
| --- | --- | --- |
| Precautions for safe handling | : | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Wear personal protective equipment. Do not breathe mist, spray, vapors, gas. Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Floors, walls and other surfaces in the hazard area must be cleaned regularly. |
| Hygiene measures | : | Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. |

7.2. Conditions for safe storage, including any incompatibilities

|  |  |  |
| --- | --- | --- |
| Storage conditions | : | Store in a cool, dry and well-ventilated area away from incompatible substances. Keep only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Stored containers should be periodically checked for general condition and leakage. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Polyurethane 350 VOC Satin  |
| --- |
| No additional information available |

| Stoddard Solvent (8052-41-3) |
| --- |
| USA - ACGIH - Occupational Exposure Limits |
| Local name | Stoddard solvent |
| ACGIH OEL TWA | 100 ppm |
| Remark (ACGIH) | TLV® Basis: Eye, skin, & kidney dam; nausea; CNS impair |
| Regulatory reference | ACGIH 2024 |
| USA - OSHA - Occupational Exposure Limits |
| Local name | Stoddard solvent |
| OSHA PEL TWA | 2900 mg/m³ |
| 500 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

| Naphtha, petroleum, light steam-cracked, debenzenized, polymers (68131-99-7) |
| --- |
| No additional information available |

| Paraffinic Napthenic Solvent (64742-47-8) |
| --- |
| No additional information available |

| Octamethyl Cyclotetrasiloxane (556-67-2) |
| --- |
| No additional information available |

| Zinc bis(2-ethylhexanoate) (136-53-8) |
| --- |
| No additional information available |

| 2-Butanone oxime (96-29-7) |
| --- |
| No additional information available |

| Dimethyl Carbonate (616-38-6) |
| --- |
| No additional information available |

| Hydrocarbons, C9, aromatics (64742-95-6) |
| --- |
| No additional information available |

| Quartz (14808-60-7) |
| --- |
| USA - ACGIH - Occupational Exposure Limits |
| Local name | Silica crystaline - quartz |
| ACGIH OEL TWA | 0.025 mg/m³ (R - Respirable particulate matter) |
| Remark (ACGIH) | TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen) |
| Regulatory reference | ACGIH 2024 |
| USA - OSHA - Occupational Exposure Limits |
| Local name | Quartz (Total Dust) (Silica: Crystalline) |
| Remark (OSHA) | Table Z-3. For OSHA PEL (TWA) use formula: (30 mg/m3 / (%SiO2+2)) for mg/m3. CAS No. source: eCFR Table Z-1. |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-3 Mineral Dusts |

8.2. Appropriate engineering controls

|  |  |  |
| --- | --- | --- |
| Appropriate engineering controls | : | Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation or process enclosure to keep the airborne concentrations below the permissible exposure limits. |
| Environmental exposure controls | : | Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment. |

8.3. Individual protection measures/Personal protective equipment

|  |
| --- |
| Personal protective equipment: |
| Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment. |

|  |
| --- |
| Hand protection: |
| Protective gloves against chemicals (EN 374) |

|  |
| --- |
| Eye protection: |
| Chemical goggles or face shield |

|  |
| --- |
| Skin and body protection: |
| Wear suitable protective clothing |

|  |
| --- |
| Respiratory protection: |
| Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA complaint respiratory protection program. |

|  |
| --- |
| Personal protective equipment symbol(s): |
| Protective gloves against chemicals (EN 374) Chemical goggles or face shield Wear suitable protective clothing Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA complaint respiratory protection program. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

|  |  |  |
| --- | --- | --- |
| Physical state | : | Liquid. |
| Appearance | : | Liquid. |
| Color | : | Amber |
| Odor | : | Solvent-like |
| Odor threshold | : | No data available |
| pH | : | No data available |
| Melting point | : | Not applicable |
| Freezing point | : | No data available |
| Boiling point | : | No data available |
| Flash point | : | 104 °F |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Flammability (solid, gas) | : | Not applicable. |
| Vapor pressure | : | No data available |
| Relative vapor density at 20°C | : | No data available |
| Relative density | : | 0.93 |
| Solubility | : | No data available |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosion limits | : | No data available |
| Explosive properties | : | No data available |
| Oxidizing properties | : | No data available |

9.2. Other information

VOC (g/l) ; 350 maximum

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition. Incompatible materials.

10.5. Incompatible materials

Strong acids. Strong bases. Strong reducing agents. Oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition generates : Hydrocarbons. Carbon dioxide. Carbon monoxide. Sulphur oxides. Metallic oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

|  |  |  |
| --- | --- | --- |
| Acute toxicity (oral) | : | Not classified |
| Acute toxicity (dermal) | : | Not classified |
| Acute toxicity (inhalation) | : | Not classified |

| Polyurethane 350 VOC Satin |
| --- |
| Unknown acute toxicity (GHS US) | 40.41% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)40.41% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)48.97% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist)) |

| Stoddard Solvent |
| --- |
| LD50 oral rat | > 5000 mg/kg body weight |
| LD50 dermal rabbit | > 3000 mg/kg body weight |
| LC50 Inhalation - Rat | > 5.5 mg/l air |

| Paraffinic Napthenic Solvent |
| --- |
| LD50 oral rat | > 5000 mg/kg body weight |
| LD50 dermal rabbit | > 2000 mg/kg body weight |
| LC50 Inhalation - Rat | > 5.28 mg/l air |

| Octamethyl Cyclotetrasiloxane |
| --- |
| LD50 oral rat | > 4800 mg/kg body weight |
| LC50 Inhalation - Rat | 36 mg/l air |

| Zinc bis(2-ethylhexanoate) |
| --- |
| LD50 dermal rat | > 2000 mg/kg body weight |
| LC50 Inhalation - Rat | > 5.7 mg/l/4h |

| 2-Butanone oxime |
| --- |
| LD50 dermal rabbit | > 1000 mg/kg body weight |
| LC50 Inhalation - Rat | > 4.83 mg/l air |

| Dimethyl Carbonate |
| --- |
| LD50 oral rat | > 5000 mg/kg body weight |
| LD50 dermal rabbit | > 2000 mg/kg body weight |
| LC50 Inhalation - Rat | > 5.36 mg/l air |

| Hydrocarbons, C9, aromatics |
| --- |
| LD50 oral rat | > 5000 mg/kg body weight |

|  |  |  |
| --- | --- | --- |
| Skin corrosion/irritation | : | Not classified |

|  |  |  |
| --- | --- | --- |
| Serious eye damage/irritation | : | Not classified |

| Zinc bis(2-ethylhexanoate) |
| --- |
| Serious eye damage/irritation, rabbit | Severely irritating to the eyes |

|  |  |  |
| --- | --- | --- |
| Respiratory or skin sensitization | : | May cause an allergic skin reaction. |

| Octamethyl Cyclotetrasiloxane |
| --- |
| Additional information | No sensitizing reaction was observed for guinea pigs |

|  |  |  |
| --- | --- | --- |
| Germ cell mutagenicity | : | May cause genetic defects. |

|  |  |  |
| --- | --- | --- |
| Carcinogenicity | : | May cause cancer. |

| Quartz  |
| --- |
| IARC group | 1 - Carcinogenic to humans |
| National Toxicity Program (NTP) Status | Known Human Carcinogens |

|  |  |  |
| --- | --- | --- |
| Reproductive toxicity | : | Suspected of damaging fertility or the unborn child. |

| Paraffinic Napthenic Solvent |
| --- |
| NOAEL (animal/male, F0/P) | ≥ 3000 mg/kg body weight |

|  |  |  |
| --- | --- | --- |
| STOT-single exposure | : | Not classified |

| 2-Butanone oxime |
| --- |
| STOT-single exposure | Causes damage to organs. May cause drowsiness or dizziness. |

|  |  |  |
| --- | --- | --- |
| STOT-repeated exposure | : | Not classified |

| Stoddard Solvent |
| --- |
| NOAEL (oral,rat,90 days) | 1056 mg/kg body weight |
| NOAEL (dermal,rat/rabbit,90 days) | 2000 mg/kg body weight |

| Paraffinic Napthenic Solvent |
| --- |
| NOAEL (oral,rat,90 days) | 750 mg/kg body weight |
| NOAEL (dermal,rat/rabbit,90 days) | ≥ 495 mg/kg body weight |

| Zinc bis(2-ethylhexanoate) |
| --- |
| NOAEL (subchronic,oral,animal/male,90 days) | 180 mg/kg body weight |
| NOAEL (subchronic,oral,animal/female,90 days) | 205 mg/kg body weight |

| 2-Butanone oxime |
| --- |
| LOAEL (oral,rat,90 days) | 40 mg/kg body weight |
| NOAEC (inhalation,rat,vapor,90 days) | 0.09 mg/l air |
| NOAEL (subchronic,oral,animal/male,90 days) | 110 mg/kg body weight |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |

|  |  |  |
| --- | --- | --- |
| Aspiration hazard | : | May be fatal if swallowed and enters airways. |
| Viscosity, kinematic | : | No data available |

| Stoddard Solvent |
| --- |
| Viscosity, kinematic | 0.9 – 1.6 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)' |

| Octamethyl Cyclotetrasiloxane |
| --- |
| Viscosity, kinematic | 1.6 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)' |

| Hydrocarbons, C9, aromatics |
| --- |
| Viscosity, kinematic | < 1 mm²/s |

|  |  |  |
| --- | --- | --- |
| Symptoms/effects after inhalation | : | Aspiration of the product into the lungs may cause very serious pneumonia. Inhalation may cause irritation (cough, short breathing, difficulty in breathing). |
| Symptoms/effects after skin contact | : | May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : | Direct contact with the eyes is likely to be irritating. |
| Symptoms/effects after ingestion | : | Ingestion may cause nausea and vomiting. During vomiting high danger of aspiration. Gastrointestinal disturbances. |
| Most Important Symptoms/Effects | : | Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Irritation to eyes, skin and respiratory tract. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. |
| Chronic symptoms | : | May cause cancer. May cause heritable genetic damage. Suspected of damaging fertility. |

SECTION 12: Ecological information

12.1. Toxicity

|  |  |  |
| --- | --- | --- |
| Ecology - general | : | Very toxic to aquatic life with long lasting effects. |

| Stoddard Solvent |
| --- |
| LC50 - Fish [1] | 2.5 mg/l |
| EC50 96h - Algae [1] | 0.58 mg/l |
| NOEC (chronic) | 0.1 mg/l |

| Octamethyl Cyclotetrasiloxane |
| --- |
| LC50 - Fish [1] | > 22 μg/l |
| EC50 - Crustacea [1] | > 15 μg/l |

| 2-Butanone oxime |
| --- |
| LC50 - Fish [1] | > 100 mg/l |
| EC50 - Crustacea [1] | ≈ 201 mg/l |
| EC50 72h - Algae [1] | ≈ 11.8 mg/l |
| EC50 72h - Algae [2] | ≈ 6.09 mg/l |
| NOEC (chronic) | ≥ 100 mg/l |

| Dimethyl Carbonate |
| --- |
| LC50 - Fish [1] | ≥ 100 mg/l |
| EC50 - Crustacea [1] | > 74.16 mg/l |
| EC50 72h - Algae [1] | > 57.29 mg/l |
| NOEC (chronic) | 25 mg/l |

12.2. Persistence and degradability

| Octamethyl Cyclotetrasiloxane |
| --- |
| Persistence and degradability | Not rapidly degradable. 3.7 % biodegradation 28 days. |

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

|  |  |  |
| --- | --- | --- |
| Regional waste regulation | : | Disposal must be done according to official regulations. |
| Waste treatment methods | : | Dispose of contents/container in accordance with licensed collector’s sorting instructions. |
| Sewage disposal recommendations | : | Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : | Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions. |
| Additional information | : | Flammable vapors may accumulate in the container. Do not re-use empty containers. |
| Ecological information | : | Avoid release to the environment. |

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

| DOT | IMDG | IATA |
| --- | --- | --- |
| 14.1. UN number |
| 1263 | 1263 | 1263 |
| 14.2. Proper Shipping Name |
| Paint | PAINT | Paint |
| 14.3. Transport hazard class(es) |
| 3 | 3 | 3 |
| 3Marine pollutant image (not IMDG) | 3Marine pollutant image | 3Marine pollutant image (not IMDG) |
| 14.4. Packing group |
| III | III | III |
| 14.5. Environmental hazards |
| Dangerous for the environment: Yes | Dangerous for the environment: YesMarine pollutant: Yes | Dangerous for the environment: Yes |
| No supplementary information available |

14.6. Special precautions for user

|  |
| --- |
| DOT |
| UN-No.(DOT) | : | UN1263  |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : | 150  |
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : | 173  |
| DOT Packaging Bulk (49 CFR 173.xxx) | : | 242 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : | 60 L  |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : | 220 L  |
| DOT Vessel Stowage Location | : | A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.  |

|  |
| --- |
| IMDG |
| Special provision (IMDG) | : | 163, 223, 367, 955 |
| Limited quantities (IMDG) | : | 5 L |
| Excepted quantities (IMDG) | : | E1 |
| Packing instructions (IMDG) | : | P001, LP01 |
| Packing provisions (IMDG) | : | PP1 |
| IBC packing instructions (IMDG) | : | IBC03 |
| Tank instructions (IMDG) | : | T2 |
| Tank special provisions (IMDG) | : | TP1, TP29 |
| EmS-No. (Fire) | : | F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS |
| EmS-No. (Spillage) | : | S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER |
| Stowage category (IMDG) | : | A |
| Properties and observations (IMDG) | : | Miscibility with water depends upon the composition. |

|  |
| --- |
| IATA |
| PCA Excepted quantities (IATA) | : | E1 |
| PCA Limited quantities (IATA) | : | Y344 |
| PCA limited quantity max net quantity (IATA) | : | 10L |
| PCA packing instructions (IATA) | : | 355 |
| PCA max net quantity (IATA) | : | 60L |
| CAO packing instructions (IATA) | : | 366 |
| CAO max net quantity (IATA) | : | 220L |
| ERG code (IATA) | : | 3L |

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

|  |
| --- |
| All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for: |
| Silicon dioxide, chemically prepared | CAS-No. No data | 3.2% max |

|  |
| --- |
| This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. |

| Butanone (78-93-3) |
| --- |
| Listed on EPA Hazardous Air Pollutant (HAPS) |
| CERCLA RQ | 5000 lb |

| Cyclohexanone (108-94-1) |
| --- |
| CERCLA RQ | 5000 lb |

15.2. International regulations

CANADA

| Stoddard Solvent (8052-41-3) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Naphtha, petroleum, light steam-cracked, debenzenized, polymers (68131-99-7) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Paraffinic Napthenic Solvent (64742-47-8) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Octamethyl Cyclotetrasiloxane (556-67-2) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Decamethylcyclopentasiloxane (541-02-6) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| 2-Butoxyethanol (111-76-2) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Cobalt 2-ethylhexanoate (136-52-7) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Naphtha, petroleum, hydrodesulfurized heavy (64742-82-1) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| 2-(2-butoxyethoxy)ethanol (112-34-5) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Neodecanoic acid, manganese salt (27253-32-3) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Manganese carboxylate (15956-58-8) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Zirconium carboxylate (22464-99-9) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Calcium Carboxylate (68551-41-7) |
| --- |
| Listed on the Canadian NDSL (Non-Domestic Substances List) |

| Zinc bis(2-ethylhexanoate) (136-53-8) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| 2-Butanone oxime (96-29-7) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Butanone (78-93-3) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Butan-2-ol (78-92-2) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Cyclohexanone (108-94-1) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Cyclopentanone (120-92-3) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| 2,2'-Bipyridine (366-18-7) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Dimethyl Carbonate (616-38-6) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| 2,6-dimethylheptan-4-one (108-83-8) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| 4,6-Dimethyl-2-heptanone (19549-80-5) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| 2-methoxy-1-methylethyl acetate (108-65-6) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Medium aliphatic naphtha (64742-88-7) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Benzyl alcohol (100-51-6) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Hydrocarbons, C9, aromatics (64742-95-6) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Quartz (14808-60-7) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

EU-Regulations

No additional information available

National regulations

| Stoddard Solvent (8052-41-3) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Paraffinic Napthenic Solvent (64742-47-8) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Octamethyl Cyclotetrasiloxane (556-67-2) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Decamethylcyclopentasiloxane (541-02-6) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| 2-Butoxyethanol (111-76-2) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Cobalt 2-ethylhexanoate (136-52-7) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Naphtha, petroleum, hydrodesulfurized heavy (64742-82-1) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| 2-(2-butoxyethoxy)ethanol (112-34-5) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Zinc bis(2-ethylhexanoate) (136-53-8) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| 2-Butanone oxime (96-29-7) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Butanone (78-93-3) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Butan-2-ol (78-92-2) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Cyclohexanone (108-94-1) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Cyclopentanone (120-92-3) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| 2,2'-Bipyridine (366-18-7) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Dimethyl Carbonate (616-38-6) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| 2,6-dimethylheptan-4-one (108-83-8) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| 2-methoxy-1-methylethyl acetate (108-65-6) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Medium aliphatic naphtha (64742-88-7) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Benzyl alcohol (100-51-6) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Hydrocarbons, C9, aromatics (64742-95-6) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| Quartz (14808-60-7) |
| --- |
| Listed on IARC (International Agency for Research on Cancer)Listed as carcinogen on NTP (National Toxicology Program)Listed on INSQ (Mexican National Inventory of Chemical Substances) |

15.3. US State regulations

|  |  |
| --- | --- |
|  WARNING: | This product can expose you to Quartz , which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov. |

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Full text of H-phrases |
| --- |
| H225 | Highly flammable liquid and vapor |
| H226 | Flammable liquid and vapor |
| H227 | Combustible liquid |
| H301 | Toxic if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H336 | May cause drowsiness or dizziness |
| H340 | May cause genetic defects |
| H350 | May cause cancer |
| H361 | Suspected of damaging fertility or the unborn child |
| H370 | Causes damage to organs |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.