SAFETY DATA SHEET

1. Identification

| Product identifier | 3X HIGH SOLIDS SINGLE COAT PAINT - FLAT BLACK | | |
|-----------------------------|---|-------------|--|
| Company information | DirectLine Industries P.O. Box 15133 ST LOUIS, MO 63110 United States | | |
| Company phone | 866-773-6136 | | |
| Emergency telephone US | 888-255-3924 (CHEM-TEL) | | |
| Version # | 01 | | |
| Recommended use | COATING | | |
| Recommended restrictions | None known. | | |
| 2. Hazard(s) identification | | | |
| Physical hazards | Flammable aerosols | Category 1 | |
| Health hazards | Serious eye damage/eye irritation | Category 2A | |
| | _ | _ | |

| nealth nazalus | | Senous eye damage/eye imation | Calegory ZA |
|-----------------|--------|---|-----------------------------|
| | | Carcinogenicity | Category 2 |
| | | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| Environmental h | azards | Not classified. | |
| OSHA defined ha | azards | Not classified. | |
| Label elements | | | |

| | • • • |
|--|---|
| Signal word | Danger |
| Hazard statement | Extremely flammable aerosol. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. |
| Precautionary statement | |
| Prevention | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. |
| Response | If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. |
| Storage | Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | None. |

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|---------------|--------------------------|------------|---------|
| Acetone | | 67-64-1 | 20 - 40 |

| Chemical name | Common name and synonyms | CAS number | % |
|--|--------------------------|------------|----------|
| Calcium Carbonate | | 1317-65-3 | 10 - 20 |
| Propane | | 74-98-6 | 10 - 20 |
| Butane | | 106-97-8 | 2.5 - 10 |
| Ethylene Glycol Propyl Ether | | 2807-30-9 | 2.5 - 10 |
| Methyl Isobutyl Ketone | | 108-10-1 | 2.5 - 10 |
| Methyl Propyl Ketone | | 107-87-9 | 2.5 - 10 |
| Propylene Glycol Monomethyl Ether Acetate | | 108-65-6 | 2.5 - 10 |
| Solvent Naphtha (petroleum), Light Aliph. | | 64742-89-8 | 2.5 - 10 |
| Isobutyl Acetate | | 110-19-0 | 1 - 2.5 |
| Carbon Black | | 1333-86-4 | 0.1 - 1 |
| Other components below reportable leve | els | | 10 - 20 |

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
|--|---|
| Skin contact | Wash off with soap and water. Get medical attention if irritation develops and persists. |
| Eye contact | Rinse with water. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. Get medical attention if symptoms occur. |
| Most important symptoms/effects, acute and delayed | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| General information | IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

5. Fire-fighting measures

| Suitable extinguishing media | Powder. Alcohol resistant foam. Carbon dioxide (CO2). |
|--|--|
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | Contents under pressure. Pressurized container may explode when exposed to heat or flame. |
| Special protective equipment and precautions for firefighters | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |
| Fire-fighting equipment/instructions | Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes. |
| General fire hazards | Extremely flammable aerosol. |

6. Accidental release measures

| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
|---|--|
| Methods and materials for containment and cleaning up | Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS. |

| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |
|---|--|
| 7. Handling and storage | |
| Precautions for safe handling | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing gas. Avoid contact with eyes. Avoid prolonged exposure. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| Conditions for safe storage, including any incompatibilities | Level 1 Aerosol. Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B) |

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Туре | Value | Form |
|-------------|--|--|
| PEL | 2400 mg/m3 | |
| | 1000 ppm | |
| PEL | 5 mg/m3 | Respirable fraction. |
| | 15 mg/m3 | Total dust. |
| PEL | 3.5 mg/m3 | |
| PEL | 700 mg/m3 | |
| | 150 ppm | |
| PEL | 410 mg/m3 | |
| | 100 ppm | |
| PEL | 700 mg/m3 | |
| | 200 ppm | |
| PEL | 1800 mg/m3 | |
| | 1000 ppm | |
| | | |
| Туре | Value | |
| TWA | 400 ppm | |
| | | |
| | | |
| _ | | _ |
| Туре | Value | Form |
| STEL | 750 ppm | |
| TWA | 500 ppm | |
| STEL | 1000 ppm | |
| TWA | | Inhalable fraction. |
| | 0 | |
| | | |
| TWA | 150 ppm | |
| TWA STEL | 150 ppm 75 ppm | |
| | | |
| | PEL PEL PEL PEL PEL PEL PEL PEL Type TWA TWA STEL TWA STEL TWA | Type Value PEL 2400 mg/m3 1000 ppm PEL 5 mg/m3 PEL 3.5 mg/m3 PEL 700 mg/m3 PEL 200 ppm PEL 200 ppm PEL 200 ppm PEL 200 ppm TWA 200 ppm Type Value TWA 400 ppm TWA 500 ppm TWA 500 ppm TWA 500 ppm TWA 3 mg/m3 |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Туре | | Va | alue | Form |
|--|--|---|--|--|--|
| Acetone (CAS 67-64-1) | TWA | | | 90 mg/m3 50 ppm | |
| Butane (CAS 106-97-8) | TWA | | 19 | 900 mg/m3 00 ppm | |
| Calcium Carbonate (CAS 1317-65-3) | TWA | | | mg/m3 | Respirable. |
| Carbon Black (CAS | TWA | | |) mg/m3 1 mg/m3 | Total |
| 1333-86-4) Isobutyl Acetate (CAS | TWA | | 70 | 00 mg/m3 | |
| 110-19-0) Methyl Isobutyl Ketone | STEL | | | 50 ppm)0 mg/m3 | |
| (CAS 108-10-1) | | | | - | |
| | TWA | | | 5 ppm)5 mg/m3 | |
| | IWA | | |) ppm | |
| Methyl Propyl Ketone (CAS | TWA | | | 30 mg/m3 | |
| 107-87-9) | | | 4.1 | -0 | |
| | TWA | | | 50 ppm | |
| Propane (CAS 74-98-6) | IVVA | | | 300 mg/m3 000 ppm | |
| US. Workplace Environmer | ntal Exposure Level (V | VEEL) Guides | | | |
| Components | Туре | , | Va | alue | |
| Propylene Glycol Monomethyl Ether Acetate | TWA | | 50 |) ppm | |
| (CAS 100-00-0) | | | | | |
| (CAS 108-65-6) logical limit values | | | | | |
| logical limit values | e Indices | | | | |
| logical limit values ACGIH Biological Exposure Components | Value | Determinant | Specimen | Sampling 1 | ſime |
| logical limit values ACGIH Biological Exposure Components Acetone (CAS 67-64-1) | | Determinant Acetone Methyl isobutyl ketone | Specimen Urine Urine | Sampling T * * | Гіme |
| ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone | Value 50 mg/l 1 mg/l | Acetone Methyl isobutyl ketone | Urine | * | ſime |
| ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) | Value 50 mg/l 1 mg/l | Acetone Methyl isobutyl ketone | Urine | * | ſime |
| ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas | Value 50 mg/l 1 mg/l se see the source docu | Acetone Methyl isobutyl ketone | Urine | * | ſime |
| ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas | Value 50 mg/l 1 mg/l se see the source docu designation | Acetone Methyl isobutyl ketone ment. | Urine | * | ſime |
| ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas posure guidelines US - California OELs: Skin Propylene Glycol Monor | Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched to or other engineering | Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta | Urine Urine e absorbed throu air changes per blicable, use pro in airborne leve | * * hour) should bocess enclosure ls below recom | Fime e used. Ventilation rates es, local exhaust ventilation, mended exposure limits. If o an acceptable level. Provid |
| ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas oosure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) | Value 50 mg/l 1 mg/l se see the source docu designation methyl Ether Acetate (C Good general ventila should be matched to or other engineering exposure limits have eyewash station. | Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta e not been establish otective equipmen | Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai | * * hour) should bocess enclosure ls below recom | e used. Ventilation rates es, local exhaust ventilation, imended exposure limits. If |
| ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas osure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) propriate engineering ntrols | Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched to or other engineering exposure limits have eyewash station. s, such as personal pro- | Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta a not been establish Diffective equipmen is with side shields (| Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai nt for goggles). | * * hour) should bocess enclosure ls below recom | e used. Ventilation rates es, local exhaust ventilation, imended exposure limits. If |
| ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas oosure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) propriate engineering htrols | Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched to or other engineering exposure limits have eyewash station. s, such as personal pro- Wear safety glasses | Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta a not been establish Diffective equipmen is with side shields (| Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai nt for goggles). | * * hour) should bocess enclosure ls below recom | e used. Ventilation rates es, local exhaust ventilation, imended exposure limits. If |
| ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas osure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) propriate engineering ntrols | Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched to or other engineering exposure limits have eyewash station. s, such as personal pro- Wear safety glasses | Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta a not been establish Detective equipmen with side shields (memical resistant gl | Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai nt for goggles). oves. | * * hour) should b cess enclosure ls below recom rborne levels to | e used. Ventilation rates es, local exhaust ventilation, mended exposure limits. If o an acceptable level. Provid |
| ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, please oosure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) oropriate engineering htrols ividual protection measures Eye/face protection Hand protection | Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched for or other engineering exposure limits have eyewash station. , such as personal pro Wear safety glasses Wear appropriate ch | Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta a not been establish Detective equipmen with side shields (memical resistant gl | Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai nt for goggles). oves. | * * hour) should b cess enclosure ls below recom rborne levels to | e used. Ventilation rates es, local exhaust ventilation, mended exposure limits. If o an acceptable level. Provid |
| ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, please osure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) oropriate engineering netrols ividual protection measures Eye/face protection Hand protection Skin protection Other | Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched for or other engineering exposure limits have eyewash station. , such as personal proc Wear safety glasses Wear appropriate ch Wear suitable protee | Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta a not been establish Detective equipmen with side shields (memical resistant gl ctive clothing. Use are exceeded use | Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai or goggles). oves. of an impervious | * * hour) should bo cess enclosure ls below recom rborne levels to | e used. Ventilation rates es, local exhaust ventilation, mended exposure limits. If o an acceptable level. Provid |
| ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, please oosure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) oropriate engineering htrols ividual protection measures Eye/face protection Hand protection Skin protection Other Skin protection | Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched for or other engineering exposure limits have eyewash station. , such as personal pro Wear safety glasses Wear appropriate ch Wear suitable protect | Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta e not been establish otective equipmen with side shields (memical resistant gl ctive clothing. Use are exceeded use or. | Urine Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai ht for goggles). oves. of an impervious NIOSH mechar | * * hour) should bo cess enclosure Is below recom rborne levels to s apron is reco | e used. Ventilation rates es, local exhaust ventilation, mended exposure limits. If o an acceptable level. Provid |

9. Physical and chemical properties

| 5. Thysical and chemical | properties |
|--|---|
| Appearance | |
| Physical state | Gas. |
| Form | Aerosol. |
| Color | Not available. |
| Odor | Not available. |
| Odor threshold | Not available. |
| рН | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | 73.81 °F (23.23 °C) estimated |
| Flash point | -2.2 °F (-19.0 °C) SUPPLIER |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or expl | osive limits |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | 2750 hPa SUPPLIER estimated |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Specific gravity | 0.85 SUPPLIER estimated |
| 10. Stability and reactivity | |
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |

| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
|---------------------------------------|---|
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. Nitrates. Fluorine. Chlorine. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

Information on likely routes of exposure

| Ingestion | Expected to be a low ingestion hazard. |
|--------------|--|
| Inhalation | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful. |
| Skin contact | No adverse effects due to skin contact are expected. |
| Eye contact | Causes serious eye irritation. |

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

| Acute toxicity | Narcotic effects. | Narcotic effects. | | |
|-------------------------------------|--------------------|-------------------------|--|--|
| Components | Species | Test Results | | |
| Acetone (CAS 67-64-1) | | | | |
| Acute | | | | |
| Dermal | | | | |
| LD50 | Guinea pig | > 7426 mg/kg, 24 Hours | | |
| | | > 9.4 ml/kg, 24 Hours | | |
| | Rabbit | > 7426 mg/kg, 24 Hours | | |
| | | > 9.4 ml/kg, 24 Hours | | |
| Inhalation | | | | |
| LC50 | Rat | 55700 ppm, 3 Hours | | |
| | | 132 mg/l, 3 Hours | | |
| | | 50.1 mg/l | | |
| Oral | | | | |
| LD50 | Rat | 5800 mg/kg | | |
| | | 2.2 ml/kg | | |
| Butane (CAS 106-97-8) | | | | |
| Acute | | | | |
| Inhalation | | | | |
| LC50 | Mouse | 1237 mg/l, 120 Minutes | | |
| | | 52 %, 120 Minutes | | |
| | Rat | 1355 mg/l | | |
| Carbon Black (CAS 1333-86 | 6-4) | | | |
| Acute | | | | |
| Oral | 5.4 | | | |
| LD50 | Rat | > 8000 mg/kg | | |
| Ethylene Glycol Propyl Ethe | er (CAS 2807-30-9) | | | |
| Acute | | | | |
| Dermal LD50 | Guinea pig | 5.6 g/kg, 4 Days | | |
| EDSO | Rabbit | > 1 g/kg, 24 Hours | | |
| | Kabbit | | | |
| Inhalation | | 1337 ml/kg, 14 Days | | |
| LC50 | Rat | > 2132 ppm, 6 Hours | | |
| 2000 | | > 1800 ppm | | |
| Oral | | > 1000 ppm | | |
| LD50 | Guinea pig | 2.2 g/kg | | |
| EDGO | Mouse | 1774 mg/kg | | |
| | | | | |
| | Rat | 0.5 - 1 g/kg | | |
| Isobutyl Acetate (CAS 110- Acute | 19-0) | | | |
| Dermal | | | | |
| LD50 | Rabbit | > 17400 mg/kg, 24 Hours | | |
| Inhalation | - | | | |
| LC50 | Rat | > 30 mg/l, 6 Hours | | |
| | | > 23.4 mg/l, 4 Hours | | |
| | | | | |

| Components Species | | Test Results |
|--|--|-------------------------------------|
| Oral | | 13413 mg/kg |
| LD50 | Rat | |
| Methyl Isobutyl Ketone (CAS 108- | 10-1) | |
| Acute | | |
| Inhalation | | 2000 - 4000 ppm, 4 Hours |
| LC50 | Rat | |
| Oral | | 2.08 g/kg |
| LD50 | Rat | |
| Propane (CAS 74-98-6) | | |
| Acute | | |
| Inhalation | | 1237 mg/l, 120 Minutes |
| LC50 | Mouse | 52 %, 120 Minutes |
| | Rat | 1355 mg/l |
| | | 658 mg/l/4h |
| Pronylana Glycol Monomothyl Eth | er Acetate (CAS 108 EE E) | |
| Propylene Glycol Monomethyl Eth Acute | EI AUEIAIE (UAO 100-00) | |
| Dermal | | |
| LD50 | Rat | > 2000 mg/kg, 24 Hours |
| Oral | | 2000 mg/kg, 24 hours |
| LD50 | Rat | > 14.1 ml |
| 2000 | Nat | |
| - | | 5155 mg/kg |
| Solvent Naphtha (petroleum), Ligh | it Aliph. (CAS 64742-89-8) | |
| Acute | | |
| Dermal | Dabbit | 1000 mg/kg 24 Hours |
| LD50 | Rabbit | > 1900 mg/kg, 24 Hours |
| Inhalation | Det | |
| LC50 | Rat | > 5020 mg/m3, 4 Hours |
| | | > 4980 mg/m3 |
| | | > 4980 mg/m3, 4 Hours |
| | | > 4.96 mg/l, 4 Hours |
| Oral | | |
| LD50 | Rat | 4820 mg/kg |
| * Estimates for a ready strategy is | | data wat akayun |
| Skin corrosion/irritation | e based on additional component Not applicable. | |
| | | |
| Serious eye damage/eye irritation | Causes serious eye irritation. | |
| Respiratory or skin sensitization | | |
| Respiratory sensitization | Not available. | |
| Skin sensitization | This product is not expected to | cause skin sensitization |
| Germ cell mutagenicity | Not applicable. | |
| Carcinogenicity | Suspected of causing cancer. | |
| | Evaluation of Carcinogenicity | |
| Carbon Black (CAS 1333 | | 2B Possibly carcinogenic to humans. |
| Methyl Isobutyl Ketone (C | | 2B Possibly carcinogenic to humans. |
| Not listed. | | ······· |
| Reproductive toxicity | Not applicable. | |
| Specific target organ toxicity - | May cause drowsiness and dizz | ziness |
| single exposure | may cause arowsiness and ulz | |

| Specific target organ toxicity - repeated exposure | Not classified. |
|---|--|
| Aspiration hazard | Not likely, due to the form of the product. |
| Chronic effects | Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. |

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Components | | Species | Test Results |
|---|---|---|---|
| Acetone (CAS 67-64-1) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 21.6 - 23.9 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 4740 - 6330 mg/l, 96 hours |
| Methyl Isobutyl Ketone (CAS Aquatic | 108-10-1) | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 492 - 593 mg/l, 96 hours |
| Methyl Propyl Ketone (CAS 7 Aquatic | 107-87-9) | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 1190 - 1290 mg/l, 96 hours |
| Propylene Glycol Monomethy Aquatic | yl Ether Acetat | e (CAS 108-65-6) | |
| Crustacea | EC50 | Daphnia | 500.0001 mg/L, 48 Hours |
| Solvent Naphtha (petroleum) Aquatic | , Light Aliph. ((| CAS 64742-89-8) | |
| Algae | IC50 | Algae | 4700 mg/L, 72 Hours |
| * Estimates for product may l sistence and degradability accumulative potential | | dditional component data not shown. available on the degradability of this product. | |
| - | | | |
| Partition coefficient n-octai Acetone | | -0.24 | |
| Butane | | 2.89 | |
| Isobutyl Acetate | | 1.78 | |
| Methyl Isobutyl Ketone | | 1.31 | |
| Methyl Propyl Ketone Propane | | 0.91 2.36 | |
| bility in soil | No data ava | | |
| er adverse effects | | lverse environmental effects (e.g. ozone deple | etion, photochemical ozone creation |
| | | ndocrine disruption, global warming potential) | |
| Disposal consideratio | ns | | |
| posal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations. | | |
| al disposal regulations | Dispose in a | accordance with all applicable regulations. | |
| ardous waste code | The waste of disposal co | code should be assigned in discussion betwee mpany. | en the user, the producer and the waste |
| US RCRA Hazardous Waste | e U List: Refe | rence | |
| Acetone (CAS 67-64-1) | | U002 | |
| Methyl Isobutyl Ketone (| | - | |
| ste from residues / unused ducts | | in accordance with local regulations. Empty c idues. This material and its container must be structions). | |

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

14. Transport information

| DOT | |
|------------------------------|---|
| UN number | UN1950 |
| UN proper shipping name | Aerosols, flammable |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | |
| Label(s) | 2.1 |
| Packing group | Not applicable. |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |
| Special provisions | N82 |
| Packaging exceptions | 306 |
| Packaging non bulk | None |
| Packaging bulk | None |

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

ΙΑΤΑ

| UN number UN proper shipping name | UN1950 Aerosols, flammable |
|--|---|
| Transport hazard class(es) | Aerosois, hannable |
| Class | 2.1 |
| Subsidiary risk | - |
| Label(s) | 2.1 |
| Packing group | Not applicable. |
| Environmental hazards | No. |
| ERG Code | 10L |
| | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |
| Other information | |
| Passenger and cargo aircraft | Allowed. |
| Cargo aircraft only | Allowed. |
| Packaging Exceptions | LTD QTY |
| IMDG | |
| UN number | UN1950 |
| UN proper shipping name | AEROSOLS |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | |
| Label(s) | 2.1 |
| Packing group | Not applicable. |
| Environmental hazards | |
| Marine pollutant | No. |
| EmS | F-D, S-U |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |
| Packaging Exceptions | LTD QTY |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable. |



15. Regulatory information

| 10. Regulatory miormation | | | | |
|--|---|-------------------------------|--|---|
| US federal regulations | This product is a "Hazardous 0 Standard, 29 CFR 1910.1200. All components are on the U.S | | d by the OSHA Hazard Communication tory List. | l |
| TSCA Section 12(b) Export N | lotification (40 CFR 707, Subp | t. D) | | |
| Not regulated. CERCLA Hazardous Substar | nce List (40 CFR 302.4) | | | |
| Acetone (CAS 67-64-1) Isobutyl Acetate (CAS 110-19-0) Methyl Isobutyl Ketone (CAS 108-10-1) SARA 304 Emergency release notification | | Listed. Listed. Listed. | | |
| Not regulated. OSHA Specifically Regulated | d Substances (29 CFR 1910.10 | 01-1050) | | |
| Not listed. | | | | |
| Superfund Amendments and Rea | • | (A) | | |
| Hazard categories | Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No | | | |
| SARA 302 Extremely hazard | ous substance | | | |
| Not listed. | | | | |
| SARA 311/312 Hazardous chemical | No | | | |
| SARA 313 (TRI reporting) Chemical name | | CAS number | % by wt. | |
| Methyl Isobutyl Ketone Ethyl Benzene | | 108-10-1 100-41-4 | 2.5 - 10 0.1 - 1 | |
| Other federal regulations | | | | |
| Clean Air Act (CAA) Section | 112 Hazardous Air Pollutants | (HAPs) List | | |
| Methyl Isobutyl Ketone (C Clean Air Act (CAA) Section | AS 108-10-1) 112(r) Accidental Release Pre | vention (40 CFR 6 | 8.130) | |
| Butane (CAS 106-97-8) Propane (CAS 74-98-6) | | | | |
| Safe Drinking Water Act (SDWA) | Not regulated. | | | |
| | | | | |

| | er | | |
|--|--|--|------------------------|
| Acetone (CAS 67-6 | 54-1) tone (CAS 108-10-1) | 6532 6715 | |
| | | 1 & 2 Exempt Chemical Mixtures (21 CFR | 1310.12(c)) |
| Acetone (CAS 67-6 | | 35 %WV | < <i>"</i> |
| Methyl Isobutyl Ket | tone (CAS 108-10-1) | 35 %WV | |
| • | I Mixtures Code Number | | |
| Acetone (CAS 67-6 | | 6532 | |
| | tone (CAS 108-10-1) | 6715 | |
| S state regulations | 0 • • • • • • • • • • • • • • • • • • • | | |
| US. Massachusetts RTK - | | | |
| Acetone (CAS 67-64-1) Butane (CAS 106-97-8) | | | |
| Calcium Carbonate (CA | | | |
| Carbon Black (CAS 133 | | | |
| Isobutyl Acetate (CAS 1 | | | |
| Methyl Isobutyl Ketone | | | |
| Methyl Propyl Ketone (Propane (CAS 74-98-6) | | | |
| US. New Jersey Worker an | | (now Act | |
| Acetone (CAS 67-64-1) | | | |
| Butane (CAS 106-97-8) | 1 | | |
| Calcium Carbonate (CA | | | |
| Carbon Black (CAS 133 Isobutyl Acetate (CAS 1 | | | |
| Methyl Isobutyl Ketone | | | |
| Methyl Propyl Ketone (| | | |
| Propane (CAS 74-98-6) | | | |
| US. Pennsylvania Worker | | -Know Law | |
| Acetone (CAS 67-64-1) | | | |
| Butane (CAS 106-97-8) Calcium Carbonate (CA | | | |
| Carbon Black (CAS 133 | | | |
| Isobutyl Acetate (CAS 1 | 110-19-0) | | |
| Methyl Isobutyl Ketone | | | |
| Methyl Propyl Ketone (Propane (CAS 74-98-6) | | | |
| US. Rhode Island RTK | | | |
| Acetone (CAS 67-64-1) | | | |
| Butane (CAS 106-97-8) | | | |
| Isobutyl Acetate (CAS | | | |
| Methyl Isobutyl Ketone | | | |
| Propane (CAS 74-98-6) | | | |
| US. California Proposition | | up to the State of California to source concer | |
| • | | wn to the State of California to cause cancer | |
| · · · · | | te/Carcinogenic substance | |
| Carbon Black (CAS Ethyl Benzene (CA | | Listed: February 21, 2003 Listed: June 11, 2004 | |
| | tone (CAS 108-10-1) | Listed: November 4, 2011 | |
| ternational Inventories | , , | | |
| Country(s) or region | Inventory name | | On inventory (yes/no)* |
| Australia | - | f Chemical Substances (AICS) | No |
| Canada | Domestic Substances | | No |
| | Non-Domestic Substa | | Yes |
| Canada | | | |
| | Inventory of Existing C | Chemical Substances in China (IECSC) | No |
| Canada China | | Chemical Substances in China (IECSC) | |
| Canada | | Existing Commercial Chemical | No No |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

specified in the text.

| Issue date | 03-30-2015 |
|------------|---|
| Version # | 01 |
| Issued By: | EHS Administrator |
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