

## 1. Identification

|   |   |
|---|---|
| <b>Product identifier</b>                                     | <b>0165TS38 Part A</b>  |
| <b>Other means of identification</b>                          |   |
| <b>Synonyms</b>   | Goodrich Kit Components: 74-451-158, 74-451-160 (Contained in Goodrich Kits: 74-451-Q, 74-451-Q-1, 74-451-Q-2).               |
| <b>Recommended use</b>  | Gap filler.   |
| <b>Recommended restrictions</b>                               | None known.   |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |   |
| <b>Supplier</b>   |   |
| <b>Company name</b>   | Goodrich Corporation<br>Collins Aerospace, Interiors - Evacuation, Water & Lighting (Formerly De-icing and Specialty Systems) |
| <b>Address</b>  | 1555 Corporate Woods Parkway<br>Uniontown, Ohio 44685<br>USA  |
| <b>E-mail</b>   | Terry.Sluss@utas.utc.com  |
| <b>Contact name</b>   | EH&S Manager  |
| <b>Telephone number</b>                                       | (330)374-4011   |
| <b>Emergency telephone number</b>                             | (800)424-9300/ 1-703-741-5970   |

## 2. Hazard(s) identification

|                              |  |             |
|------------------------------|--|-------------|
| <b>Physical hazards</b>      | Not classified.  |             |
| <b>Health hazards</b>        | Acute toxicity, inhalation                             | Category 4  |
|                              | Skin corrosion/irritation                              | Category 2  |
|                              | Serious eye damage/eye irritation                      | Category 2A |
|                              | Sensitization, respiratory                             | Category 1  |
|                              | Sensitization, skin                                    | Category 1  |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, long-term hazard | Category 1  |
| <b>OSHA defined hazards</b>  | Not classified.  |             |
| <b>Label elements</b>        |  |             |



|                                |   |
|--------------------------------|---|
| <b>Signal word</b>             | Danger  |
| <b>Hazard statement</b>        | Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.  |
| <b>Precautionary statement</b> |   |
| <b>Prevention</b>              | Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection. Wear protective gloves/eye protection/face protection. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. |

|  |  |
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| <b>Response</b>                                  | If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor. 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. Take off contaminated clothing and wash it before reuse. Collect spillage. |
| <b>Storage</b>                                   | Store away from incompatible materials.  |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.  |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.  |
| <b>Supplemental information</b>                  | Contact with water liberates flammable gas.  |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                           | CAS number | %    |
|---|------------|------|
| Polytetramethylene Glycol, P/W Des W    | 9042-82-4  | > 40 |
| Aluminium powder (stabilized)           | 7429-90-5  | < 25 |
| 4,4'-methylenedicyclohexyl diisocyanate | 5124-30-1  | < 20 |

|                             |   |
|-----------------------------|---|
| <b>Composition comments</b> | All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.<br><br>The manufacturer has claimed the exact percentage as trade secret under the OSHA Hazard Communication Standard. |
|-----------------------------|---|

### 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a poison center or doctor/physician. |
| <b>Skin contact</b>   | Remove contaminated clothing immediately and wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.   |
| <b>Eye contact</b>  | In case of contact, immediately flush eyes with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. Get medical attention if irritation persists.   |
| <b>Ingestion</b>  | Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause allergic respiratory reaction. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.   |
| <b>General information</b>  | If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.   |

### 5. Fire-fighting measures

|   |  |
|---|--|
| <b>Suitable extinguishing media</b>               | Powder. Dry sand.  |
| <b>Unsuitable extinguishing media</b>             | Do not use halogenated extinguishing agents or water due to aluminum content.  |
| <b>Specific hazards arising from the chemical</b> | During fire, gases hazardous to health may be formed such as: Carbon oxides. Nitrogen oxides. Metal oxides. Hydrogen cyanide. HMDI. Organic compounds. Hydrocarbons. Containers may explode when heated or if contaminated with water. Closed containers may also burst if contaminated with water due to CO <sub>2</sub> evolved. Aluminum can react with some acids and caustic solutions to produce explosive hydrogen. |

|  |   |
|--|---|
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Do not get water inside container. Use cool water spray to cool fire exposed containers to minimize risk of rupture. |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.  |
| <b>General fire hazards</b>  | In contact with water releases flammable gas.   |

## 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | 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 dust/fume/gas/mist/vapors/spray. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. 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** This product is miscible in water. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Do not get water on spilled substance or inside containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling** Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Protect from contamination. Protect from moisture. Never allow product to get in contact with water during storage. Keep away from heat, sparks and open flame. Maintain storage temperatures between 32°F to 122°F (0°C to 50°C). Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

| Components                                    | Type | Value                | Form                 |
|---|------|----------------------|----------------------|
| Aluminium powder (stabilized) (CAS 7429-90-5) | PEL  | 5 mg/m <sup>3</sup>  | Respirable fraction. |
|   |      | 15 mg/m <sup>3</sup> | Total dust.          |

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components                                    | Type | Value                | Form                 |
|---|------|----------------------|----------------------|
| Aluminium powder (stabilized) (CAS 7429-90-5) | TWA  | 5 mg/m <sup>3</sup>  | Respirable fraction. |
|   |      | 15 mg/m <sup>3</sup> | Total dust.          |
|   |      | 50 mppcf             | Total dust.          |
|   |      | 15 mppcf             | Respirable fraction. |

**US. ACGIH Threshold Limit Values**

| Components  | Type | Value               | Form                 |
|---|------|---------------------|----------------------|
| 4,4'-methylenedicyclohexyl diisocyanate (CAS 5124-30-1) | TWA  | 0.005 ppm           |                      |
| Aluminium powder (stabilized) (CAS 7429-90-5)           | TWA  | 1 mg/m <sup>3</sup> | Respirable fraction. |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components  | Type    | Value                  | Form                               |
|---|---------|------------------------|------------------------------------|
| 4,4'-methylenedicyclohexyl diisocyanate (CAS 5124-30-1) | Ceiling | 0.11 mg/m <sup>3</sup> |                                    |
| Aluminium powder (stabilized) (CAS 7429-90-5)           | TWA     | 0.01 ppm               |                                    |
|   |         | 5 mg/m <sup>3</sup>    | Welding fume or pyrophoric powder. |
|   |         | 5 mg/m <sup>3</sup>    | Respirable.                        |
|   |         | 10 mg/m <sup>3</sup>   | Total                              |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines****US - Tennessee OELs: Skin designation**

4,4'-methylenedicyclohexyl diisocyanate (CAS 5124-30-1) Can be absorbed through the skin.

**Appropriate engineering controls**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles). Tightly fitting safety goggles. Face shield is recommended. Do not wear contact lenses.

**Skin protection****Hand protection**

Wear appropriate chemical resistant gloves. Impervious gloves. Suitable gloves can be recommended by the glove supplier.

**Skin protection****Other**

Wear appropriate chemical resistant clothing. Impervious clothing.

**Respiratory protection**

Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

**9. Physical and chemical properties****Appearance**

Silver viscous liquid.

**Physical state**

Liquid.

**Form**

Viscous liquid.

**Color**

Silver.

**Odor**

Odorless.

**Odor threshold**

Not available.

**pH**

Not available.

|   |                                   |
|---|-----------------------------------|
| <b>Melting point/freezing point</b>                 | Not available.                    |
| <b>Initial boiling point and boiling range</b>      | Not available.                    |
| <b>Flash point</b>                                  | > 212.0 °F (> 100.0 °C)           |
| <b>Evaporation rate</b>                             | Negligible (Butyl acetate = 1)    |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                   |
| <b>Upper/lower flammability or explosive limits</b> |                                   |
| <b>Flammability limit - lower (%)</b>               | Not available.                    |
| <b>Flammability limit - upper (%)</b>               | Not available.                    |
| <b>Explosive limit - lower (%)</b>                  | Not available.                    |
| <b>Explosive limit - upper (%)</b>                  | Not available.                    |
| <b>Vapor pressure</b>                               | 0.001 mm Hg (77 °F (25 °C))       |
| <b>Vapor density</b>                                | Not available.                    |
| <b>Relative density</b>                             | 1.19                              |
| <b>Solubility(ies)</b>                              |                                   |
| <b>Solubility (water)</b>                           | Reacts with water (68 °F (20 °C)) |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                    |
| <b>Auto-ignition temperature</b>                    | Not available.                    |
| <b>Decomposition temperature</b>                    | Not available.                    |
| <b>Viscosity</b>                                    | Not available.                    |
| <b>Other information</b>                            |                                   |
| <b>Explosive properties</b>                         | Not explosive.                    |
| <b>Oxidizing properties</b>                         | Not oxidizing.                    |
| <b>VOC</b>  | Negligible.                       |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.   |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization can occur with elevated temperatures.  |
| <b>Conditions to avoid</b>                | Heat. Contact with water. Contact with incompatible materials.  |
| <b>Incompatible materials</b>             | This product may react with mineral acids and strong bases. Strong oxidizing agents. Water. Amines. Alcohols. Metal compounds. Surface Active Agents. |
| <b>Hazardous decomposition products</b>   | Carbon oxides. Nitrogen oxides. Cyanide compounds.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| <b>Skin contact</b> | Causes skin irritation. May cause an allergic skin reaction.                                   |
| <b>Eye contact</b>  | Causes serious eye irritation.   |
| <b>Ingestion</b>    | Swallowing may cause gastrointestinal irritation. May cause digestive tract irritation.        |

|   |   |
|---|---|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause allergic respiratory reaction. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. |
|---|---|

### Information on toxicological effects

|                       |                     |
|-----------------------|---------------------|
| <b>Acute toxicity</b> | Harmful if inhaled. |
|-----------------------|---------------------|

| Components  | Species  | Test Results       |
|---|--|--------------------|
| 4,4'-methylenedicyclohexyl diisocyanate (CAS 5124-30-1)               |  |                    |
| <b>Acute</b>  |  |                    |
| <b>Dermal</b>   |  |                    |
| LD50  | Rabbit   | > 10000 mg/kg      |
| <b>Inhalation</b>   |  |                    |
| LC50  | Rat  | 434 mg/m3, 4 hours |
| <b>Oral</b>   |  |                    |
| LD50  | Rat  | 9900 mg/kg         |
| <b>Skin corrosion/irritation</b>                                      | Causes skin irritation.  |                    |
| <b>Serious eye damage/eye irritation</b>                              | Causes serious eye irritation.   |                    |
| <b>Respiratory or skin sensitization</b>                              |  |                    |
| <b>Respiratory sensitization</b>                                      | May cause allergy or asthma symptoms or breathing difficulties if inhaled.                                       |                    |
| <b>Skin sensitization</b>   | May cause an allergic skin reaction.   |                    |
| <b>Germ cell mutagenicity</b>   | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |                    |
| <b>Carcinogenicity</b>  | Not classifiable as to carcinogenicity to humans.  |                    |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>         |  |                    |
| Not listed.   |  |                    |
| <b>NTP Report on Carcinogens</b>                                      |  |                    |
| Not listed.   |  |                    |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b> |  |                    |
| Not listed.   |  |                    |
| <b>Reproductive toxicity</b>  | This product is not expected to cause reproductive or developmental effects.                                     |                    |
| <b>Specific target organ toxicity - single exposure</b>               | Not classified.  |                    |
| <b>Specific target organ toxicity - repeated exposure</b>             | Not classified.  |                    |
| <b>Aspiration hazard</b>  | Not available.   |                    |
| <b>Chronic effects</b>  | Prolonged inhalation may be harmful.   |                    |

## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

| Components  | Species                | Test Results              |
|---|------------------------|---------------------------|
| 4,4'-methylenedicyclohexyl diisocyanate (CAS 5124-30-1) |                        |                           |
| <b>Aquatic</b>  |                        |                           |
| <i>Acute</i>  |                        |                           |
| Fish  | LC50 Brachydanio rerio | 1.2 - 2.76 mg/l, 96 hours |

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

### Bioaccumulative potential

#### Partition coefficient n-octanol / water (log Kow)

4,4'-methylenedicyclohexyl diisocyanate (CAS 5124-30-1) 6.11

**Mobility in soil** This product is miscible in water.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

|  |  |
|--|--|
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.       |

## 14. Transport information

### DOT

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3334  |
| <b>UN proper shipping name</b>      | Aviation regulated liquid, n.o.s. (4,4'-methylenedicyclohexyl diisocyanate) |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 9   |
| <b>Subsidiary risk</b>              | -   |
| <b>Label(s)</b>                     | 9   |
| <b>Packing group</b>                | Not available.  |
| <b>Environmental hazards</b>        |   |
| <b>Marine pollutant</b>             | Yes   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling.     |
| <b>Special provisions</b>           | A35   |
| <b>Packaging exceptions</b>         | 155   |
| <b>Packaging non bulk</b>           | 204   |

### IATA

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3334  |
| <b>UN proper shipping name</b>      | Aviation regulated liquid, n.o.s. (4,4'-methylenedicyclohexyl diisocyanate) |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 9   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | III   |
| <b>Environmental hazards</b>        | Yes   |
| <b>ERG Code</b>                     | 9A  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling.     |

### IMDG

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3334  |
| <b>UN proper shipping name</b>      | AVIATION REGULATED LIQUID, N.O.S. (4,4'-methylenedicyclohexyl diisocyanate) |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 9   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | Not available.  |
| <b>Environmental hazards</b>        |   |
| <b>Marine pollutant</b>             | Yes   |
| <b>EmS</b>                          | Not available.  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling.     |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**General information** The size of the packaging may affect the classifications. Refer to appropriate transportation regulations for specific requirements.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

### **CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

### **SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Toxic Substances Control Act (TSCA)**

All components of the mixture on the TSCA 8(b) inventory are designated "active".

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitization

**SARA 313 (TRI reporting)**

| Chemical name                           | CAS number | % by wt. |
|---|------------|----------|
| 4,4'-methylenedicyclohexyl diisocyanate | 5124-30-1  | < 20     |
| Aluminium powder (stabilized)           | 7429-90-5  | < 25     |

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Contains component(s) regulated under the Safe Drinking Water Act.**US state regulations****US. Massachusetts RTK - Substance List**

4,4'-methylenedicyclohexyl diisocyanate (CAS 5124-30-1)  
Aluminium powder (stabilized) (CAS 7429-90-5)

**US. New Jersey Worker and Community Right-to-Know Act**

4,4'-methylenedicyclohexyl diisocyanate (CAS 5124-30-1)  
Aluminium powder (stabilized) (CAS 7429-90-5)

**US. Pennsylvania Worker and Community Right-to-Know Law**

4,4'-methylenedicyclohexyl diisocyanate (CAS 5124-30-1)  
Aluminium powder (stabilized) (CAS 7429-90-5)

**US. Rhode Island RTK**

4,4'-methylenedicyclohexyl diisocyanate (CAS 5124-30-1)  
Aluminium powder (stabilized) (CAS 7429-90-5)

**California Proposition 65**

**WARNING:** This product can expose you to Ethyl Acrylate, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Ethyl Acrylate (CAS 140-88-5) Listed: July 1, 1989

**California Proposition 65 - CRT: Listed date/Developmental toxin**

Toluene (CAS 108-88-3) Listed: January 1, 1991

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

4,4'-methylenedicyclohexyl diisocyanate (CAS 5124-30-1)  
Aluminium powder (stabilized) (CAS 7429-90-5)

**International Inventories**

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)         | Yes                    |
| Canada               | Domestic Substances List (DSL)                             | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                        | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC) | Yes                    |



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

\*A "Yes" indicates this product complies 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

|                      |   |
|----------------------|---|
| <b>Issue date</b>    | 13-October-2020                                     |
| <b>Revision date</b> | -   |
| <b>Version #</b>     | 01  |
| <b>HMIS® ratings</b> | Health: 2*<br>Flammability: 0<br>Physical hazard: 0 |

### NFPA ratings



### Disclaimer

Goodrich Corporation cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

## 1. Identification

**Product identifier** 0165TS38 Part B

**Other means of identification**  
**Synonyms** Goodrich Kit Components: 74-451-159, 74-451-161 (Contained in Goodrich Kits: 74-451-Q, 74-451-Q-1, 74-451-Q-2)

**Recommended use** Gap filler.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**  
**Supplier**  
**Company name** Goodrich Corporation  
 Collins Aerospace, Interiors - Evacuation, Water & Lighting (Formerly De-icing and Specialty Systems)  
**Address** 1555 Corporate Woods Parkway  
 Uniontown, Ohio 44685  
 USA  
**E-mail** Terry.Sluss@utas.utc.com  
**Contact name** EH&S Manager  
**Telephone number** (330)374-4011  
**Emergency telephone number** (800)424-9300/ 1-703-741-5970

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards**

|   |                       |
|---|-----------------------|
| Acute toxicity, oral                              | Category 4            |
| Serious eye damage/eye irritation                 | Category 2A           |
| Sensitization, skin                               | Category 1            |
| Specific target organ toxicity, repeated exposure | Category 2 (Pancreas) |

**Environmental hazards**

|  |            |
|--|------------|
| Hazardous to the aquatic environment, acute hazard     | Category 2 |
| Hazardous to the aquatic environment, long-term hazard | Category 2 |

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** Harmful if swallowed. Causes serious eye irritation. May cause an allergic skin reaction. May cause damage to organs (Pancreas) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

**Precautionary statement**  
**Prevention** Do not breathe mist/vapors. Do not eat, drink or smoke when using this product. Wear protective gloves/eye protection/face protection. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment.

|  |   |
|--|---|
| <b>Response</b>                                  | If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. 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. Get medical advice/attention if you feel unwell. Wash contaminated clothing before reuse. Collect spillage. |
| <b>Storage</b>                                   | Store away from incompatible materials.   |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.   |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.   |
| <b>Supplemental information</b>                  | None.   |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name  | CAS number | %       |
|--|------------|---------|
| Aluminium powder (stabilized)                                      | 7429-90-5  | 20 - 50 |
| Polypropylene glycol   | 25322-69-4 | 20 - 50 |
| Diethyltoluenediamine  | 68479-98-1 | < 25    |
| Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester   | 41556-26-7 | < 5     |
| Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester | 82919-37-7 | < 5     |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The manufacturer has claimed the exact percentage as trade secret under the OSHA Hazard Communication Standard.

### 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.  |
| <b>Skin contact</b>   | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.   |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions.    |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash. Edema. Jaundice. Prolonged exposure may cause chronic effects.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.   |
| <b>General information</b>  | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. |

### 5. Fire-fighting measures

|   |  |
|---|--|
| <b>Suitable extinguishing media</b>               | Foam. Powder. Dry sand.  |
| <b>Unsuitable extinguishing media</b>             | Do not use water jet as an extinguisher, as this will spread the fire. Carbon dioxide (CO <sub>2</sub> ).                                    |
| <b>Specific hazards arising from the chemical</b> | During fire, gases hazardous to health may be formed such as: Carbon oxides. Nitrogen oxides. Metal oxides. Organic compounds. Hydrocarbons. |

|  |   |
|--|---|
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.       |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire do not breathe fumes. Move containers from fire area if you can do so without risk. |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.          |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.   |

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Avoid contact with eyes, skin, and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. 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** This product is miscible in water. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling** Do not breathe mist/vapors. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

| Components                                    | Type | Value                | Form                 |
|---|------|----------------------|----------------------|
| Aluminium powder (stabilized) (CAS 7429-90-5) | PEL  | 5 mg/m <sup>3</sup>  | Respirable fraction. |
|   |      | 15 mg/m <sup>3</sup> | Total dust.          |

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components                                    | Type | Value                | Form                 |
|---|------|----------------------|----------------------|
| Aluminium powder (stabilized) (CAS 7429-90-5) | TWA  | 5 mg/m <sup>3</sup>  | Respirable fraction. |
|   |      | 15 mg/m <sup>3</sup> | Total dust.          |
|   |      | 50 mppcf             | Total dust.          |
|   |      | 15 mppcf             | Respirable fraction. |

#### US. ACGIH Threshold Limit Values

| Components                                    | Type | Value               | Form                 |
|---|------|---------------------|----------------------|
| Aluminium powder (stabilized) (CAS 7429-90-5) | TWA  | 1 mg/m <sup>3</sup> | Respirable fraction. |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components                                    | Type | Value    | Form                               |
|---|------|----------|------------------------------------|
| Aluminium powder (stabilized) (CAS 7429-90-5) | TWA  | 5 mg/m3  | Respirable.                        |
|   |      | 5 mg/m3  | Welding fume or pyrophoric powder. |
|   |      | 10 mg/m3 | Total                              |

**US. Workplace Environmental Exposure Level (WEEL) Guides**

| Components                            | Type | Value    | Form     |
|---------------------------------------|------|----------|----------|
| Polypropylene glycol (CAS 25322-69-4) | TWA  | 10 mg/m3 | Aerosol. |

|  |  |
|--|--|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).   |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. |
| <b>Individual protection measures, such as personal protective equipment</b> |  |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles). Tightly fitting safety goggles. Face shield is recommended.  |
| <b>Skin protection</b>   |  |
| <b>Hand protection</b>   | Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.  |
| <b>Skin protection</b>   |  |
| <b>Other</b>   | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.   |
| <b>Respiratory protection</b>  | If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the case of vapor formation use a respirator with an approved filter.   |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.  |
| <b>General hygiene considerations</b>  | Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.  |

**9. Physical and chemical properties****Appearance**

|   |                        |
|---|------------------------|
| <b>Physical state</b>                               | Liquid.                |
| <b>Form</b>   | Paste.                 |
| <b>Color</b>  | Silver.                |
| <b>Odor</b>   | Not available.         |
| <b>Odor threshold</b>                               | Not available.         |
| <b>pH</b>   | Not available.         |
| <b>Melting point/freezing point</b>                 | Not available.         |
| <b>Initial boiling point and boiling range</b>      | > 100 °F (> 37.8 °C)   |
| <b>Flash point</b>                                  | > 200.0 °F (> 93.3 °C) |
| <b>Evaporation rate</b>                             | Negligible.            |
| <b>Flammability (solid, gas)</b>                    | Not applicable.        |
| <b>Upper/lower flammability or explosive limits</b> |                        |
| <b>Flammability limit - lower (%)</b>               | Not available.         |
| <b>Flammability limit - upper (%)</b>               | Not available.         |
| <b>Explosive limit - lower (%)</b>                  | Not available.         |

|  |                |
|--|----------------|
| <b>Explosive limit - upper (%)</b>             | Not available. |
| <b>Vapor pressure</b>                          | Negligible.    |
| <b>Vapor density</b>                           | Negligible.    |
| <b>Relative density</b>                        | 1.33 - 1.57    |
| <b>Solubility(ies)</b>                         |                |
| <b>Solubility (water)</b>                      | Slight.        |
| <b>Partition coefficient (n-octanol/water)</b> | Not available. |
| <b>Auto-ignition temperature</b>               | Not available. |
| <b>Decomposition temperature</b>               | Not available. |
| <b>Viscosity</b>                               | Not available. |
| <b>Other information</b>                       |                |
| <b>Explosive properties</b>                    | Not explosive. |
| <b>Molecular formula</b>                       | Mixture.       |
| <b>Oxidizing properties</b>                    | Not oxidizing. |
| <b>VOC</b>                                     | Negligible.    |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>Conditions to avoid</b>                | Avoid temperatures exceeding the flash point. Contact with incompatible materials.            |
| <b>Incompatible materials</b>             | Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                      |
|---------------------|--------------------------------------|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful. |
| <b>Skin contact</b> | May cause an allergic skin reaction. |
| <b>Eye contact</b>  | Causes serious eye irritation.       |
| <b>Ingestion</b>    | Harmful if swallowed.                |

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash. Edema. Jaundice.

### Information on toxicological effects

**Acute toxicity** Harmful if swallowed.

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester (CAS 41556-26-7)

#### Acute

#### **Oral**

|      |     |                   |
|------|-----|-------------------|
| LD50 | Rat | 2369 - 4247 mg/kg |
|------|-----|-------------------|

Polypropylene glycol (CAS 25322-69-4)

#### Acute

#### **Oral**

|      |     |           |
|------|-----|-----------|
| LD50 | Rat | 681 mg/kg |
|------|-----|-----------|

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

### Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

|   |  |
|---|--|
| <b>Skin sensitization</b>   | May cause an allergic skin reaction.   |
| <b>Germ cell mutagenicity</b>   | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| <b>Carcinogenicity</b>  | Not classifiable as to carcinogenicity to humans.  |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>         |  |
|   | Not listed.  |
| <b>NTP Report on Carcinogens</b>                                      |  |
|   | Not listed.  |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b> |  |
|   | Not listed.  |
| <b>Reproductive toxicity</b>  | This product is not expected to cause reproductive or developmental effects.                                     |
| <b>Specific target organ toxicity - single exposure</b>               | Not classified.  |
| <b>Specific target organ toxicity - repeated exposure</b>             | May cause damage to organs (Pancreas) through prolonged or repeated exposure.                                    |
| <b>Aspiration hazard</b>  | Not an aspiration hazard.  |
| <b>Chronic effects</b>  | Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.          |

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

| Components  | Species   | Test Results     |
|---|---|------------------|
| Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester (CAS 41556-26-7) |   |                  |
| <b>Aquatic</b>  |   |                  |
| Fish  | LC50 Bluegill ( <i>Lepomis macrochirus</i> )  | 1 mg/l, 96 Hours |
| <b>Persistence and degradability</b>  | No data is available on the degradability of any ingredients in the mixture.  |                  |
| <b>Bioaccumulative potential</b>  | No data available.  |                  |
| <b>Mobility in soil</b>   | This product is miscible in water.  |                  |
| <b>Other adverse effects</b>  | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |                  |

## 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).   |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.   |

## 14. Transport information

### DOT

|                                   |  |
|-----------------------------------|--|
| <b>UN number</b>                  | UN3082   |
| <b>UN proper shipping name</b>    | Environmentally hazardous substances, liquid, n.o.s. (Diethyltoluenediamine) |
| <b>Transport hazard class(es)</b> |  |
| <b>Class</b>                      | 9  |
| <b>Subsidiary risk</b>            | -  |
| <b>Label(s)</b>                   | 9  |
| <b>Packing group</b>              | III  |
| <b>Environmental hazards</b>      |  |
| <b>Marine pollutant</b>           | Yes  |

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Special provisions** 8, 146, 335, IB3, T4, TP1, TP29  
**Packaging exceptions** 155  
**Packaging non bulk** 203  
**Packaging bulk** 241

**IATA**

**UN number** UN3082  
**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (Diethyltoluenediamine)  
**Transport hazard class(es)**  
    **Class** 9  
    **Subsidiary risk** -  
**Packing group** III  
**Environmental hazards** Yes  
**ERG Code** 9L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**IMDG**

**UN number** UN3082  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethyltoluenediamine)  
**Transport hazard class(es)**  
    **Class** 9  
    **Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
    **Marine pollutant** Yes  
**EmS** F-A, S-F  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Diethyltoluenediamine (CAS 68479-98-1) 1.0 % One-Time Export Notification only.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Toxic Substances Control Act (TSCA)** One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Acute toxicity (any route of exposure)  
Serious eye damage or eye irritation  
Respiratory or skin sensitization  
Specific target organ toxicity (single or repeated exposure)

**SARA 313 (TRI reporting)**

| Chemical name                 | CAS number | % by wt. |
|-------------------------------|------------|----------|
| Aluminium powder (stabilized) | 7429-90-5  | 20 - 50  |



## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Contains component(s) regulated under the Safe Drinking Water Act.

## US state regulations

### US. Massachusetts RTK - Substance List

Aluminium powder (stabilized) (CAS 7429-90-5)

### US. New Jersey Worker and Community Right-to-Know Act

Aluminium powder (stabilized) (CAS 7429-90-5)

### US. Pennsylvania Worker and Community Right-to-Know Law

Aluminium powder (stabilized) (CAS 7429-90-5)

### US. Rhode Island RTK

Aluminium powder (stabilized) (CAS 7429-90-5)

### California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Aluminium powder (stabilized) (CAS 7429-90-5)

Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester (CAS 41556-26-7)

Diethyltoluenediamine (CAS 68479-98-1)

## International Inventories

| Country(s) or region        | Inventory name  | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                | Yes                    |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)        | Yes                    |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)          | No                     |
| Korea                       | Existing Chemicals List (ECL)                                     | 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 this product complies 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

|               |   |
|---------------|---|
| Issue date    | 12-October-2020                                     |
| Revision date | -   |
| Version #     | 01  |
| HMIS® ratings | Health: 2*<br>Flammability: 0<br>Physical hazard: 0 |

### NFPA ratings



### Disclaimer

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