

1. Identification

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|---|--|-------------------|
| Product identifier | XPW Polymer Wetcoat (XPW-G, XPW-P) | |
| Other means of identification | None. | |
| Recommended use | Polish. | |
| Recommended restrictions | None known. | |
| Manufacturer/Importer/Supplier/Distributor information | | |
| Company name | Granitize Aviation | |
| Address | 11022 Vulcan Street South Gate, CA 90280-0893 US | |
| Telephone | Telephone: | (562) 923-5438 |
| E-mail | Not available. | |
| Emergency phone number | CHEMTREC: | (800) 424-9300 |
| | CHEMTREC International: | 00 1-703-527-3887 |

2. Hazard(s) identification

| | | |
|------------------------------|--|-------------------------------------|
| Physical hazards | Flammable liquids | Category 4 |
| Health hazards | Acute toxicity, oral | Category 4 |
| | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2A |
| | Sensitization, skin | Category 1 |
| | Reproductive toxicity | Category 2 |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| | Specific target organ toxicity, repeated exposure | Category 1 (Central nervous system) |
| Environmental hazards | Aspiration hazard | Category 1 |
| | 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 Danger

Hazard statement Combustible liquid. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. Causes damage to organs (Central nervous system) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

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 breathe mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product. Avoid release to the environment.

| | |
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| Response | If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. 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. Collect spillage. |
| Storage | Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. |
| 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 | CAS number | % |
|--|------------|-------|
| Water | 7732-18-5 | > 55 |
| C12-C14 isoalkanes | 68551-19-9 | <15 |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | <15 |
| Cyclomethicone | 556-67-2 | < 5 |
| Dimethoxysilyl ethylenediaminopropyl dimethicone | 71750-80-6 | < 5 |
| Limonene | 5989-27-5 | < 5 |
| Metakaolin | 66402-68-4 | < 5 |
| Naphtha (petroleum), hydrodesulphurised heavy | | < 5 |
| Stoddard Solvent | 8052-41-3 | < 5 |
| 2-Propanol | 67-63-0 | < 2 |
| Amorphous silica | 61790-53-2 | < 2 |
| Carnauba wax | 8015-86-9 | < 1 |
| Cyclopentasiloxane | 541-02-6 | < 1 |
| Poly(dimethylsiloxane) | 9016-00-6 | < 1 |
| Polyalkyl siloxane | 63148-62-9 | < 1 |
| 1,2,4-Trimethylbenzene | 95-63-6 | < 0.5 |
| Morpholine | 110-91-8 | < 0.5 |
| Oleic acid | 112-80-1 | < 0.5 |

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

4. First-aid measures

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|---------------------|---|
| Inhalation | Move to fresh air. If breathing is difficult, give oxygen. Get medical attention, if needed. |
| Skin contact | Flush thoroughly with water for at least 15 minutes. Wash clothing separately before reuse. Get medical attention if irritation develops and persists. |
| Eye contact | Flush thoroughly with 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. |

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| Ingestion | Rinse mouth thoroughly. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately. |
| Most important symptoms/effects, acute and delayed | Skin and eye irritation. May cause an allergic skin reaction. Dermatitis. Rash. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Narcosis. Headache. Nausea. Vomiting. Behavioral changes. Decrease in motor functions. Prolonged exposure may cause chronic effects. |
| Indication of immediate medical attention and special treatment needed | Keep victim warm. Keep victim under observation. Symptoms may be delayed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |
| General information | Take off contaminated clothing and shoes immediately. 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 re-use. Swallowing or vomiting of the liquid may result in aspiration into the lungs. |

5. Fire-fighting measures

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| Suitable extinguishing media | Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not use a solid water stream as it may scatter and spread fire. |
| Specific hazards arising from the chemical | Thermal decomposition may produce smoke, oxides of carbon and lower molecular weight organic compounds whose composition have not been characterized. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | Use standard firefighting procedures and consider the hazards of other involved materials. Use water spray to keep fire-exposed containers cool. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. |
| General fire hazards | Combustible liquid. |

6. Accidental release measures

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| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Avoid contact with eyes, skin, and clothing. Local authorities should be advised if significant spillages cannot be contained. Ensure adequate ventilation. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the SDS for Personal Protective Equipment. |
| Methods and materials for containment and cleaning up | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas. Should not be released into the environment. Large Spills: Stop leak if you can do so without risk. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. 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 in original containers for re-use. This material and its container must be disposed of as hazardous waste. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not contaminate water. |

7. Handling and storage

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| Precautions for safe handling | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Persons susceptible for allergic reactions should not handle this product. Pregnant women should not work with the product, if there is the least risk of exposure. Wear personal protective equipment. Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapor. When using, do not eat, drink or smoke. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling. Avoid release to the environment. |
| Conditions for safe storage, including any incompatibilities | Store locked up. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Store in original tightly closed container. Store away from incompatible materials (See Section 10). |

8. Exposure controls/personal protection

Occupational exposure limits

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

| Components | Type | Value |
|----------------------------------|------|-----------------------------------|
| 2-Propanol (CAS 67-63-0) | PEL | 980 mg/m ³ 400 ppm |
| Stoddard Solvent (CAS 8052-41-3) | PEL | 2900 mg/m ³ 500 ppm |

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

| Components | Type | Value |
|-----------------------------------|------|-----------------------------------|
| Amorphous silica (CAS 61790-53-2) | TWA | 0.8 mg/m ³ 20 mppcf |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|----------------------------------|------|---------|
| 2-Propanol (CAS 67-63-0) | STEL | 400 ppm |
| | TWA | 200 ppm |
| Stoddard Solvent (CAS 8052-41-3) | TWA | 100 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|--|---------|-----------------------------------|
| 2-Propanol (CAS 67-63-0) | STEL | 1225 mg/m ³ 500 ppm |
| | TWA | 980 mg/m ³ 400 ppm |
| Amorphous silica (CAS 61790-53-2) | TWA | 6 mg/m ³ |
| Distillates (petroleum), hydrotreated light (CAS 64742-47-8) | TWA | 100 mg/m ³ |
| Stoddard Solvent (CAS 8052-41-3) | Ceiling | 1800 mg/m ³ |
| | TWA | 350 mg/m ³ |

US. Workplace Environmental Exposure Level (WEEL) Guides

| Components | Type | Value |
|-------------------------------|------|-----------------------------------|
| Cyclomethicone (CAS 556-67-2) | TWA | 10 ppm |
| Limonene (CAS 5989-27-5) | TWA | 165.5 mg/m ³ 30 ppm |

Biological limit values

ACGIH Biological Exposure Indices

| Components | Value | Determinant | Specimen | Sampling Time |
|--------------------------|---------|-------------|----------|---------------|
| 2-Propanol (CAS 67-63-0) | 40 mg/l | Acetone | Urine | * |

* - For sampling details, please see the source document.

Exposure guidelines

No exposure standards allocated.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) 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 easy access to water supply and eye wash facilities.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

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|---------------------------------------|---|
| Skin protection | |
| Hand protection | Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. |
| Skin protection | |
| Other | Wear appropriate chemical resistant clothing. |
| Respiratory protection | 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. |
| Thermal hazards | When material is heated, wear gloves to protect against thermal burns. |
| General hygiene considerations | Avoid contact with eyes. Avoid contact with skin. When using, do not eat, drink or smoke. Provide eyewash station and safety shower. Handle in accordance with good industrial hygiene and safety practice. |

9. Physical and chemical properties

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|---|-------------------------------|
| Appearance | Liquid. |
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Not available. |
| Odor | Aromatic. |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | 194.0 °F (90.0 °C) Closed Cup |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| 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. |

10. Stability and reactivity

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| 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 | Heat, flames and sparks. Contact with incompatible materials. |
| Incompatible materials | Strong oxidizers, strong acids, and strong bases. |
| Hazardous decomposition products | Carbon monoxide. Carbon dioxide. |

11. Toxicological information

Information on likely routes of exposure

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|---------------------|---|
| Inhalation | May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure by inhalation. |
| Skin contact | Causes skin irritation. May cause an allergic skin reaction. |
| Eye contact | Causes eye irritation. |
| Ingestion | May be fatal if swallowed and enters airways. |

Symptoms related to the physical, chemical and toxicological characteristics Skin and eye irritation. May cause an allergic skin reaction. Dermatitis. Rash. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Narcosis. Headache. Nausea. Vomiting. Behavioral changes. Decrease in motor functions. Prolonged exposure may cause chronic effects.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

| Components | Species | Test Results |
|--------------------------|---------|----------------------|
| 2-Propanol (CAS 67-63-0) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | 16.4 ml/kg, 24 Hours |
| <i>Inhalation</i> | | |
| LC50 | Rat | > 10000 ppm, 6 Hours |
| <i>Oral</i> | | |
| LD50 | Rat | 5.84 g/kg |

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes severe eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Amorphous silica (CAS 61790-53-2) 3 Not classifiable as to carcinogenicity to humans.

Limonene (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

Stoddard Solvent (CAS 8052-41-3) 3 Not classifiable as to carcinogenicity to humans.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure Causes damage to organs (central nervous system) through prolonged or repeated exposure.

Aspiration hazard May be fatal if swallowed and enters airways.

Further information Symptoms may be delayed.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

| Components | Species | Test Results |
|-------------------------------|--|-----------------------|
| Cyclomethicone (CAS 556-67-2) | | |
| Aquatic | | |
| Fish | LC50 Bluegill (<i>Lepomis macrochirus</i>) | > 1000 mg/l, 96 Hours |

| Components | Species | Test Results |
|--|--|---|
| Limonene (CAS 5989-27-5) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia pulex) 69.6 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) 0.619 - 0.796 mg/l, 96 hours |
| Persistence and degradability | No data is available on the degradability of this product. | |
| Bioaccumulative potential | | |
| Partition coefficient n-octanol / water (log Kow) | | |
| 2-Propanol (CAS 67-63-0) | | 0.05 |
| Cyclopentasiloxane (CAS 541-02-6) | | 5.2 |
| Limonene (CAS 5989-27-5) | | 4.232 |
| Stoddard Solvent (CAS 8052-41-3) | | 3.16 - 7.15 |
| Mobility in soil | No data available. | |
| Other adverse effects | The product contains volatile organic compounds which have a photochemical ozone creation potential. | |

13. Disposal considerations

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|--|---|
| Disposal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not contaminate ponds, waterways or ditches with chemical or used container. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / unused products | 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). |
| Contaminated packaging | 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

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|-------------------------------------|--|
| UN number | NA1993 |
| UN proper shipping name | Combustible liquid, n.o.s. (Limonene, Distillates (petroleum), hydrotreated light) |
| Transport hazard class(es) | |
| Class | - Combustible Liquid |
| Subsidiary risk | - |
| Packing group | III |
| Environmental hazards | |
| Marine pollutant | Yes |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Special provisions | IB3, T1, T4, TP1 |
| Packaging exceptions | 150 |
| Packaging non bulk | 203 |
| Packaging bulk | 241 |

IATA

| | |
|-------------------------------------|---|
| UN number | UN3082 |
| UN proper shipping name | Environmentally hazardous substance, liquid, n.o.s. (Limonene, Distillates (petroleum), hydrotreated light) |
| Transport hazard class(es) | |
| Class | 9 |
| Subsidiary risk | - |
| Label(s) | 9 |
| 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. (Limonene, Distillates (petroleum), hydrotreated light)

Transport hazard class(es)

Class 9

Subsidiary risk -

Label(s) 9

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 applicable.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

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

Cyclomethicone (CAS 556-67-2) One-Time Export Notification only.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

2-Propanol (CAS 67-63-0) LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| 2-Propanol | 67-63-0 | < 2 |

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) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

2-Propanol (CAS 67-63-0)
Amorphous silica (CAS 61790-53-2)
Stoddard Solvent (CAS 8052-41-3)

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

2-Propanol (CAS 67-63-0)
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)
Limonene (CAS 5989-27-5)
Stoddard Solvent (CAS 8052-41-3)

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

2-Propanol (CAS 67-63-0)

Amorphous silica (CAS 61790-53-2)

Oleic acid (CAS 112-80-1)

Stoddard Solvent (CAS 8052-41-3)

US. Rhode Island RTK

2-Propanol (CAS 67-63-0)

US. California Proposition 65

Not Listed.

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | 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) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| 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 | 16-December-2015 |
| Revision date | - |
| Version # | 01 |
| Further information | The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. |

NFPA ratings



| | |
|------------------------------|---|
| List of abbreviations | TWA: Time weighted average. STEL: Short term exposure limit. |
| References | ACGIH EPA: Acquire database NLM: Hazardous Substances Data Base US. IARC Monographs on Occupational Exposures to Chemical Agents |
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