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Printing date 02/27/2024

Reviewed on 02/26/2024

1 Identification

· Product identifier

· Trade name: HFP161C 3.5 VOC WHITE DIAMOND PEARL GM WA-800J

· Article number: HFP161C

· Details of the supplier of the safety data sheet

· Manufacturer/Supplier: HIGH TECK PRODUCTS PO BOX 24631 WEST PALM BEACH, FLORIDA 33416 USA 877-900-8325

info@highteckproducts.com

- · Information department: Product safety department
- · Emergency telephone number: 800 424-9300 (Chemtrec)

2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flammable Liquids 2

H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carcinogenicity 2

H351 Suspected of causing cancer. Toxic to Reproduction 2 H361 Suspected of damaging fertility or the

unborn child.

Specific Target Organ Toxicity - Repeated Exposure H373 May cause damage to the hearing organs through prolonged or repeated exposure.



Skin Irritation 2 H315 Causes skin irritation.

Eye Irritation 2A H319 Causes serious eye irritation.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

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· Hazard pictograms







GHS02 GHS07

· Signal word Danger

· Hazard-determining components of labeling:

4-chloro-alpha,alpha,alpha-trifluorotoluene ethvlbenzene

toluene

· Hazard statements

Highly flammable liquid and vapor.

Causes skin irritation.

Causes serious eye irritation.

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child.

May cause damage to the hearing organs through prolonged or repeated exposure.

· Precautionary statements

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.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

Specific treatment (see on this label).

Get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use CO2, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 2 Fire = 3 Reactivity = 0

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· HMIS-ratings (scale 0 - 4)



- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable. · **vPvB:** Not applicable.

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.

| · Dangerou | s components: | |
|------------|---|---------|
| 98-56-6 | 4-chloro-alpha,alpha,alpha-trifluorotoluene | 50-100% |
| 67-64-1 | acetone | 10-25% |
| 1330-20-7 | xylene | 2.5-10% |
| 123-86-4 | n-butyl acetate | ≤2.5% |
| 100-41-4 | ethylbenzene | ≤2.5% |
| 71-36-3 | butan-1-ol | ≤2.5% |
| 119-64-2 | 1,2,3,4-tetrahydronaphthalene | ≤2.5% |
| 108-88-3 | toluene | ≤2.5% |

4 First-aid measures

- · Description of first aid measures
- · General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- · After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eve contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- · Most important symptoms and effects, both acute and delayed

No further relevant information available.

· Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

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- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Protective Action Criteria for Chemicals

| 67-64-1 | acetone | 200 ppm |
|-------------|--|-----------------------|
| 1330-20-7 | xylene | 130 ppm |
| 123-86-4 | n-butyl acetate | 5 ppm |
| 100-41-4 | ethylbenzene | 33 ppm |
| 71-36-3 | butan-1-ol | 60 ppm |
| 119-64-2 | 1,2,3,4-tetrahydronaphthalene | 1.6 ppm |
| 108-88-3 | toluene | 67 ppm |
| 123-42-2 | 4-hydroxy-4-methylpentan-2-one | 150 ppm |
| 12001-26-2 | Mica | 9 mg/m³ |
| 112926-00-8 | Precipitated silica (Silica-Amorphous) | 18 mg/m³ |
| 18282-10-5 | tin dioxide | 7.6 mg/m ⁻ |
| 1308-14-1 | dichromium trioxide hydrate | 3 mg/m³ |
| PAC-2: | | |
| 67-64-1 | acetone | 3200* ppn |
| 1330-20-7 | xylene | 920* ppm |
| 123-86-4 | n-butyl acetate | 200 ppm |
| 100-41-4 | ethylbenzene | 1100* ppm |
| 71-36-3 | butan-1-ol | 800 ppm |
| 119-64-2 | 1,2,3,4-tetrahydronaphthalene | 17 ppm |
| 108-88-3 | toluene | 560 ppm |
| 123-42-2 | 4-hydroxy-4-methylpentan-2-one | 350 ppm |
| 12001-26-2 | Mica | 99 mg/m³ |
| 112926-00-8 | Precipitated silica (Silica-Amorphous) | 200 mg/m |
| 18282-10-5 | tin dioxide | 85 mg/m³ |
| 4000 44 4 | dichromium trioxide hydrate | 33 mg/m³ |

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|-------------|--|-------------------------|
| · PAC-3: | | |
| 67-64-1 | acetone | 5700* ppm |
| 1330-20-7 | xylene | 2500* ppm |
| 123-86-4 | n-butyl acetate | 3000* ppm |
| 100-41-4 | ethylbenzene | 1800* ppm |
| 71-36-3 | butan-1-ol | 8000** ppm |
| 119-64-2 | 1,2,3,4-tetrahydronaphthalene | 100 ppm |
| 108-88-3 | toluene | 3700* ppm |
| 123-42-2 | 4-hydroxy-4-methylpentan-2-one | 2100* ppm |
| 12001-26-2 | Mica | 590 mg/m³ |
| 112926-00-8 | Precipitated silica (Silica-Amorphous) | 1,200 mg/m ³ |
| 18282-10-5 | tin dioxide | 510 mg/m³ |
| 1308-14-1 | dichromium trioxide hydrate | 200 mg/m³ |

7 Handling and storage

- · Handling:
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see section 7.
- · Control parameters
- · Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

| | 67-64-1 acetone | | |
|-----|---------------------------------------|--|--|
| PEL | Long-term value: 2400 mg/m³, 1000 ppm | | |
| REL | Long-term value: 590 mg/m³, 250 ppm | | |

TLV Short-term value: 500 ppm Long-term value: 250 ppm

A4. BEI

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| PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 635 mg/m³, 150 ppm Long-term value: 435 mg/m³, 150 ppm BEI, A4 123-86-4 n-butyl acetate PEL Long-term value: 710 mg/m³, 150 ppm REL Short-term value: 950 mg/m³, 200 ppm Long-term value: 150 ppm Long-term value: 150 ppm Long-term value: 55 ppm 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm TLV Long-term value: 20 ppm OTO, BEI, A3 71-36-3 butan-1-ol PEL Long-term value: 20 ppm OTO, BEI, A3 71-10-min limit value: 150 mg/m³, 50 ppm REL Long-term value: 20 ppm Ceiling limit value: 20 ppm Ceiling limit value: 20 ppm TLV Long-term value: 20 ppm TLV Long-term value: 20 ppm Tlo-min peak per 8-hr shift REL Short-tern value: 256 mg/m³, 100 ppm TLV Long-term value: 250 ppm TLV Long-term value: 20 ppm BEI Corp. A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 0.15 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhepzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhepzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift end of workweek | 1220 20 7 vylono | (Contd. of p. |
|---|--|---------------|
| REL Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 20 ppm BEI, A4 123-86-4 n-butyl acetate PEL Long-term value: 950 mg/m³, 150 ppm REL Short-term value: 950 mg/m³, 150 ppm TLV Short-term value: 150 ppm Long-term value: 50 ppm Long-term value: 50 ppm Long-term value: 50 ppm Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm TLV Long-term value: 20 ppm OTO, BEI, A3 71-36-3 butan-1-ol PEL Long-term value: 20 ppm OTO, BEI, M3 71-36-3 butan-1-ol PEL Long-term value: 20 ppm OTO, BEI, M3 71-36-3 totan-1-ol PEL Long-term value: 20 ppm Ceiling limit value: 150 mg/m³, 50 ppm Skin REL Short-term value: 20 ppm Ceiling limit value: 300; 500° ppm -10-min peak per 8-hr shift REL Short-term value: 200 ppm Long-term value: 20 ppm BEI Long-term value: 20 ppm TLV Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 0.15 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift end of workweek | 1330-20-7 xylene | |
| Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 20 ppm BEI, A4 123-86-4 n-butyl acetate PEL Long-term value: 710 mg/m³, 150 ppm REL Short-term value: 950 mg/m³, 200 ppm Long-term value: 150 ppm TLV Short-term value: 150 ppm 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm TLV Long-term value: 20 ppm 070, BEI, A3 71-36-3 butan-1-ol PEL Long-term value: 20 ppm 070, BEI, A3 71-36-3 butan-1-ol PEL Long-term value: 20 ppm 070, BEI, A3 TLV Long-term value: 20 ppm 070, BEI, A3 TLV Long-term value: 20 ppm Ceiling limit value: 150 mg/m³, 50 ppm Skin TLV Long-term value: 20 ppm 108-88-3 toluene PEL Long-term value: 200 ppm Ceiling limit value: 305: 500° ppm "10-min peak per 8-hr shift REL Short-term value: 20 ppm Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 y/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | | |
| TLV Long-term value: 20 ppm BEI, A4 123-86-4 n-butyl acetate PEL Long-term value: 710 mg/m³, 150 ppm REL Short-term value: 950 mg/m³, 200 ppm Long-term value: 150 ppm Long-term value: 50 ppm TLV Short-term value: 435 mg/m³, 150 ppm REL Long-term value: 435 mg/m³, 100 ppm REL Long-term value: 435 mg/m³, 100 ppm REL Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 20 ppm OTO, BEI, A3 71-36-3 butan-1-ol PEL Long-term value: 300 mg/m³, 100 ppm REL Ceiling limit value: 300 mg/m³, 50 ppm Skin TLV Long-term value: 20 ppm Ceiling limit value: 300 ppm Ceiling limit value: 300; 500* ppm 10-min peak per 8-in shift REL Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 0.15 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | | |
| PEL Long-term value: 710 mg/m³, 150 ppm REL Short-term value: 950 mg/m³, 200 ppm Long-term value: 150 ppm TLV Short-term value: 50 ppm Long-term value: 50 ppm 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm TLV Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 20 ppm OTO, BEI, A3 71-36-3 butan-1-ol PEL Long-term value: 300 mg/m³, 100 ppm REL Ceiling limit value: 150 mg/m³, 50 ppm Skin TLV Long-term value: 20 ppm 108-88-3 toluene PEL Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift REL Short-term value: 375 mg/m³, 100 ppm TLV Long-term value: 275 mg/m³, 100 ppm TLV Long-term value: 375 mg/m³, 100 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | TLV Long-term value: 20 ppm | |
| REL Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 20 ppm OTO, BEI, A3 71-36-3 butan-1-0I PEL Long-term value: 300 mg/m³, 100 ppm REL Ceiling limit value: 150 mg/m³, 50 ppm Skin TLV Long-term value: 20 ppm Ceiling limit value: 20 ppm Ceiling limit value: 300; 500 ° ppm °10-min peak per 8-hr shift REL Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | 123-86-4 n-butyl acetate | |
| Long-term value: 710 mg/m³, 150 ppm TLV Short-term value: 50 ppm 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm TLV Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 245 mg/m³, 100 ppm TLV Long-term value: 20 ppm OTO, BEI, A3 71-36-3 butan-1-ol PEL Long-term value: 300 mg/m³, 100 ppm REL Ceiling limit value: 150 mg/m³, 50 ppm Skin TLV Long-term value: 20 ppm Ceiling limit value: 20 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift REL Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 5 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | PEL Long-term value: 710 mg/m³, 150 ppm | |
| Long-term value: 50 ppm 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 545 mg/m³, 125 ppm Long-term value: 20 ppm OTO, BEI, A3 71-36-3 butan-1-ol PEL Long-term value: 300 mg/m³, 100 ppm REL Ceiling limit value: 150 mg/m³, 50 ppm Skin TLV Long-term value: 20 ppm Ceiling limit value: 20 ppm Ceiling limit value: 300; 500° ppm To-min peak per 8-hr shift REL Short-term value: 307 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 375 mg/m³, 100 ppm REL Short-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | | |
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| REL Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 20 ppm OTO, BEI, A3 71-36-3 butan-1-ol PEL Long-term value: 300 mg/m³, 100 ppm REL Skin TLV Long-term value: 150 mg/m³, 50 ppm Skin TLV Long-term value: 20 ppm 108-88-3 toluene PEL Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift REL Short-term value: 560 mg/m³, 150 ppm Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 10.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | 100-41-4 ethylbenzene | |
| Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 20 ppm OTO, BEI, A3 71-36-3 butan-1-ol PEL Long-term value: 300 mg/m³, 100 ppm REL Ceiling limit value: 150 mg/m³, 50 ppm Skin TLV Long-term value: 20 ppm 108-88-3 toluene PEL Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift REL Short-term value: 375 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | PEL Long-term value: 435 mg/m³, 100 ppm | |
| OTÖ, BEI, A3 71-36-3 butan-1-ol PEL L Long-term value: 300 mg/m³, 100 ppm REL Ceiling limit value: 150 mg/m³, 50 ppm Skin TLV Long-term value: 20 ppm 108-88-3 toluene PEL Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift REL Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | | |
| PEL Long-term value: 300 mg/m³, 100 ppm REL Ceiling limit value: 150 mg/m³, 50 ppm Skin TLV Long-term value: 20 ppm 108-88-3 toluene PEL Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift REL Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | | |
| REL Ceiling limit value: 150 mg/m³, 50 ppm Skin TLV Long-term value: 20 ppm 108-88-3 toluene PEL Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift REL Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | 71-36-3 butan-1-ol | |
| Skin TLV Long-term value: 20 ppm 108-88-3 toluene PEL Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | PEL Long-term value: 300 mg/m³, 100 ppm | |
| 108-88-3 toluene PEL Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift REL Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift acids | | |
| PEL Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift REL Short-term value: 560 mg/m³, 150 ppm Long-term value: 275 mg/m³, 100 ppm TLV Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | TLV Long-term value: 20 ppm | |
| Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift REL Short-term value: 560 mg/m³, 150 ppm Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | 108-88-3 toluene | |
| Long-term value: 375 mg/m³, 100 ppm Long-term value: 20 ppm BEI, OTO, A4 Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | Ceiling limit value: 300; 500* ppm | |
| Ingredients with biological limit values: 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | | |
| 67-64-1 acetone BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | | |
| BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | Ingredients with biological limit values: | |
| Medium: urine Time: end of shift Parameter: Acetone (nonspecific) 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | 67-64-1 acetone | |
| 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | Medium: urine Time: end of shift | |
| BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | ` , , | |
| Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | | |
| Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | | |
| 100-41-4 ethylbenzene BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | | |
| BEI 0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek | Parameter: Methylhippuric acids | |
| Medium: urine Time: end of shift at end of workweek | <u> </u> | |
| Time: end of shift at end of workweek | BEI 0.15 g/g creatinine | |
| | | |
| | Time: end of sniπ at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (non- | specific) |

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108-88-3 toluene

BEI 0.02 ma/L

Medium: blood

Time: prior to last shift of workweek

Parameter: Toluene

0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene

0.3 mg/g creatinine Medium: urine Time: end of shift

Parameter: o-Cresol with hydrolysis (background)

- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

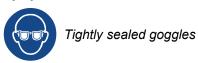
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· Eye protection:



| 9 Physical and chemical prope | rties |
|--|--|
| · Information on basic physical and o · General Information · Appearance: | chemical properties |
| Form: Color: Odor: Odor threshold: | Liquid White Characteristic Not determined. |
| · pH-value: | Not determined (pH N/A in solvent coatings) |
| · Change in condition Melting point/Melting range: Boiling point/Boiling range: | Undetermined. 55.8-56.6 °C (132.4-133.9 °F) |
| · Flash point: | <-18 °C (<-0.4 °F) |
| · Flammability (solid, gaseous): | Highly flammable. |
| · Auto igniting: | 465 °C (869 °F) |
| · Decomposition temperature: | Not determined. |
| · Ignition temperature: | Product is not selfigniting. |
| · Danger of explosion: | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · Explosion limits: Lower: Upper: | 2.6 Vol % 13 Vol % |
| · Vapor pressure at 20 °C (68 °F): · Vapor pressure at 50 °C (122 °F): | 233 hPa (174.8 mm Hg) 800 hPa (600 mm Hg) |
| · Density at 20 °C (68 °F): · Relative density · Vapor density · Evaporation rate | 1.1755 g/cm³ (9.8095 lbs/gal) Not determined. Not determined. Not determined. |
| · Solubility in / Miscibility with Water: | Fully miscible. |
| · Partition coefficient (n-octanol/wate | er): Not determined. |
| · Viscosity: Dynamic: Kinematic: | Not determined. Not determined. |
| Solvent content: Organic solvents: | 25.0 % |

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(Contd. of page 8) VOC content: 9.89 % 356.8 g/l / 2.98 lb/gal Solids content: 18.2 % · Other information No further relevant information available.

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· Carcinogenic categories

| · IARC (Inter | · IARC (International Agency for Research on Cancer) | | |
|---------------|--|----|--|
| 98-56-6 | 6 4-chloro-alpha,alpha,alpha-trifluorotoluene | 2B | |
| 1330-20-7 | 7 xylene | 3 | |
| 100-41-4 | 4 ethylbenzene | 2B | |
| 108-88-3 | 3 toluene | 3 | |
| | 8 Precipitated silica (Silica-Amorphous) | 3 | |
| 1317-80-2 | 2 Rutile (TiO2) | 2B | |
| NTP (Nation | nal Toxicology Program) | | |

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- · Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.

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- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

| 44 | _ | | | | 4.0 |
|----|------------|-------------------|-----|------|------|
| 14 | Trans | nort | ınt | orma | tıon |
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| • | UI | N-N | lum | ber |
|---|----|-----|-----|-----|
|---|----|-----|-----|-----|

· **DOT, IMDG, IATA** UN1263

· UN proper shipping name

· DOT Paint
· IMDG, IATA PAINT

· Transport hazard class(es)

· DOT



· Class 3 Flammable liquids

Label

· IMDG, IATA



· Class 3 Flammable liquids

·Label

· Packing group

· DOT, IMDG, IATA //

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| | (Contd. of page |
|--|--|
| Environmental hazards: | Not applicable. |
| Special precautions for user | Warning: Flammable liquids |
| · Hazard identification number (Kemler | r code): 33 |
| · EMS Number: | ´ F-E,S-E |
| Stowage Category | В — |
| Transport in bulk according to Annex | (II of |
| MARPOL73/78 and the IBC Code | Not applicable. |
| Transport/Additional information: | |
| DOT | |
| · Quantity limitations | On passenger aircraft/rail: 5 L |
| • | On cargo aircraft only: 60 L |
| · IMDG | |
| Limited quantities (LQ) | 5L |
| Excepted quantities (EQ) | Code: E2 |
| 1.1.1.1 | Maximum net quantity per inner packaging: 30 ml |
| | Maximum net quantity per outer packaging: 500 ml |
| UN "Model Regulation": | UN 1263 PAINT, 3, II |

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

| Section 35 | 55 (extremely hazardous substances): | |
|-------------|---|-------|
| None of the | e ingredients is listed. | |
| Section 31 | 3 (Specific toxic chemical listings): | |
| 1330-20-7 | xylene | |
| 100-41-4 | ethylbenzene | |
| 71-36-3 | butan-1-ol | |
| 108-88-3 | toluene | |
| TSCA (To) | ric Substances Control Act): | |
| 98-56-6 | 6 4-chloro-alpha,alpha,alpha-trifluorotoluene | ACTI |
| 67-64-1 | 1 acetone | ACTI |
| 9004-36-8 | Cellulose Acetate Butyrate | ACTI |
| 1330-20-7 | 7 xylene | ACTIV |
| 123-86-4 | n-butyl acetate | ACTIV |
| 100-41-4 | 4 ethylbenzene | ACTIV |
| 71-36-3 | B butan-1-ol | ACTI |
| 119-64-2 | 1,2,3,4-tetrahydronaphthalene | ACTI |
| 108-88-3 | toluene | ACTI |
| 123-42-2 | 2 4-hydroxy-4-methylpentan-2-one | ACTI |
| 8002-74-2 | Paraffin waxes and Hydrocarbon waxes | ACTI |
| 18282-10-5 | tin dioxide | ACT/\ |

- USA

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(Contd. of page 11) 1308-14-1 dichromium trioxide hydrate **ACTIVE** · Hazardous Air Pollutants 1330-20-7 xylene 100-41-4 ethylbenzene 108-88-3 toluene Proposition 65 · Chemicals known to cause cancer: 98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene 100-41-4 ethylbenzene 1317-80-2 Rutile (TiO2) · Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed. · Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed. · Chemicals known to cause developmental toxicity: 108-88-3 toluene · Carcinogenic categories · EPA (Environmental Protection Agency) 67-64-1 acetone 1330-20-7 xylene 100-41-4 ethylbenzene D 71-36-3 butan-1-ol D 108-88-3 toluene Ш · TLV (Threshold Limit Value) 67-64-1 acetone Α4 1330-20-7 xylene A4 100-41-4 ethylbenzene А3 Α4 108-88-3 toluene 1317-80-2 Rutile (TiO2) Α4 · NIOSH-Ca (National Institute for Occupational Safety and Health) 1317-80-2 Rutile (TiO2)

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms







· Signal word Danger

· Hazard-determining components of labeling:

4-chloro-alpha, alpha, alpha-trifluorotoluene ethylbenzene toluene

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· Hazard statements

Highly flammable liquid and vapor.

Causes skin irritation.

Causes serious eye irritation.

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child.

May cause damage to the hearing organs through prolonged or repeated exposure.

Precautionary statements

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.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

Specific treatment (see on this label).

Get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use CO2, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing SDS: Environment protection department.
- · Contact: Product Safety Dept.
- · Date of preparation / last revision 02/27/2024
- · Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

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TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit BEI: Biological Exposure Limit

Flammable Liquids 2: Flammable liquids – Category 2 Skin Irritation 2: Skin corrosion/irritation – Category 2 Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Carcinogenicity 2: Carcinogenicity – Category 2
Toxic to Reproduction 2: Reproductive toxicity – Category 2
Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2

USA