SECTION 1: Identification

1.1. Identification

Product form: Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Building and construction work

1.3. Details of the supplier of the safety data sheet

DeWALT Industrial Tool Co.
701 East Joppa Road
Toewson, MD 21286 USA
T +1 800-524-3244 - F +1 877-871-1965

1.4. Emergency telephone number

Emergency number: CHEMTREC 1-800-424-9300 (within Continental USA)
CHEMTREC +1 703 527-3887 (outside USA)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification
Flammable liquids Category 3
Acute toxicity (oral) Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Skin sensitization, Category 1
Reproductive toxicity Category 1B
Specific target organ toxicity (repeated exposure) Category 1

Full text of H statements: see section 16

2.2. Label elements

GHS US labeling
Hazard pictograms (GHS US): 

Signal word (GHS US): Danger

Hazard statements (GHS US): H226 - Flammable liquid and vapour
H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H360 - May damage fertility or the unborn child
H372 - Causes damage to organs through prolonged or repeated exposure

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
sources. No smoking.
P233 - Keep container tightly closed.
P260 - Do not breathe dust, mist.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P301+P312 - If swallowed: Call a doctor, a POISON CENTER if you feel unwell.
P302+P352 - If on skin: Wash with plenty of water.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P330 - Rinse mouth.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards
Other hazards : PBT/vPvB data : This information is not available.

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>dicyclohexyl phthalate</td>
<td>(CAS-No.) 84-61-7</td>
<td>1 - 2.5</td>
<td>Skin Sens. 1, H317 Rep. 1B, H360</td>
</tr>
<tr>
<td>2-Propanol, 1,1’-[(4-methylphenyl)imino]bis-</td>
<td>(CAS-No.) 38668-48-3</td>
<td>0 – 1.25</td>
<td>Acute Tox. 2 (Oral), H300</td>
</tr>
</tbody>
</table>

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

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general : First aider: Pay attention to self-protection!. See also section 8. Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Treat symptomatically.

Inhalation : Provide fresh air. Put victim at rest, cover with a blanket and keep warm. In case of doubt or persistent symptoms, consult always a physician.
Skin contact : Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water. Call a physician if irritation develops or persists.
Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In case of doubt or persistent symptoms, consult always a physician.
Ingestion : Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation : No adverse effects are expected. May be irritating.
Skin contact : Causes skin irritation. May cause an allergic skin reaction.
Eye contact : Causes serious eye irritation.
Symptoms/injuries after ingestion : Harmful if swallowed.
Chronic symptoms : Causes damage to organs through prolonged or repeated exposure. May damage the unborn child.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media : Water spray, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder.
Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture
Specific hazards : Flammable liquid and vapour. Hazardous decomposition products COx. Do not allow run-off from fire-fighting to enter drains or water courses.
Reactivity : Flammable liquid and vapor. Reference to other sections: 10.5.

5.3. Advice for firefighters
Firefighting instructions : Special protective equipment for firefighters. Use water spray or fog for cooling exposed containers. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
For non-emergency personnel : Evacuate personnel to a safe area. Use personal protective equipment as required. Reference to other sections: 8. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately grounded. Take precautionary measures against static discharges.

6.1.2. For emergency responders
For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see item 8.

6.2. Environmental precautions
Do not allow to enter into surface water or drains.
6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Stop leak if safe to do so. Take up mechanically and collect in suitable container for disposal. Collect in closed and suitable containers for disposal. Dam up. Dispose of contaminated materials in accordance with current regulations.

6.4. Reference to other sections

Concerning personal protective equipment to use, see item 8. Concerning disposal elimination after cleaning, see item 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Use only in well ventilated areas. Use personal protective equipment as required. Concerning personal protective equipment to use, see item 8. Avoid contact with skin, eyes and clothing. Do not breathe vapor/aerosol. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handle and open container with care. After use replace the closing cap immediately. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Do not allow to enter into surface water or drains. Take any precaution to avoid mixing with combustibles. See also section 10.

Hygiene measures: Keep good industrial hygiene. Wash hands and face before breaks and immediately after handling of the product. Take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Keep container tightly closed in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from food, drink and animal feedingstuffs. Keep at temperatures below 25 °C. Keep away from heat. Protect from sunlight. Do not store near or with any of the incompatible materials listed in section 10.

Incompatible substances or mixtures: Strong acids. Strong bases. Strong oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th></th>
<th>ACGIH TWA (ppm)</th>
<th>ACGIH STEL (ppm)</th>
<th>OSHA PEL (TWA) (ppm)</th>
<th>OSHA PEL (Ceiling) (ppm)</th>
<th>IDLH US IDLH (ppm)</th>
<th>NIOSH REL (TWA) (mg/m³)</th>
<th>NIOSH REL (TWA) (ppm)</th>
<th>NIOSH REL (STEL) (mg/m³)</th>
<th>NIOSH REL (STEL) (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>20 ppm</td>
<td></td>
<td>40 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH TWA (mg/m³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5 ppm</td>
<td></td>
<td>10 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>215 mg/m³</td>
<td></td>
<td>50 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>425 mg/m³</td>
<td></td>
<td>100 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NIOSH REL (STEL) (mg/m³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NIOSH REL (STEL) (ppm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dibenzoyl peroxide (94-36-0)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH TWA (mg/m³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2-Propanol, 1,1’-[(4-methylphenyl)imino]bis- (38668-48-3)

Not applicable
Dibenzoyl peroxide (94-36-0)

<table>
<thead>
<tr>
<th></th>
<th>OSHA PEL (TWA) (mg/m³)</th>
<th>5 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDLH</td>
<td>US IDLH (mg/m³)</td>
<td>1500 mg/m³</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

dicyclohexyl phthalate (84-61-7)

Not applicable

Monitoring methods

<table>
<thead>
<tr>
<th>Monitoring methods</th>
<th>Concentration measurement in air, Personal air monitoring</th>
</tr>
</thead>
</table>

Additional information

: Concentration measurement in air
: Personal monitoring

8.2. Exposure controls

Engineering measure(s)

: Use only in area provided with appropriate exhaust ventilation. Take precautionary measures against static discharge. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Organizational measures to prevent / limit releases, dispersion and exposure. See also section 7.

Personal protective equipment

: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection

: Wear chemically resistant gloves. Impervious gloves. The selection of specific gloves for a specific application and time of use in a working area. should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions / specification of the supplier of gloves. Breakthrough time: > 8 hours. VITON gloves. Thickness of the glove material: 0.7 mm. Nitrile rubber. Breakthrough time: < 1 hours.

Eye protection

: Chemical goggles or safety glasses (EN 166).

Body protection

: Wear suitable protective clothing.

Respiratory protection


Thermal hazard protection

: Not required for normal conditions of use.

Environmental exposure controls

: Do not allow to enter into surface water or drains. Comply with applicable environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>capsules.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting / freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Initial boiling point and boiling range : No data available
Flash point : < 131 °F Resin
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : No data available
Explosion limits : No data available
Explosive properties : Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidizing properties : Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with explosive properties.

Vapor pressure : No data available
Relative density : No data available
Vapor density : No data available
Solubility : No additional information available. Water: insoluble
Partition coefficient n-octanol/water : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity : 400 - 500 mPa·s Resin
Kinematic viscosity : No data available
Dynamic viscosity : 400 - 500 mPa·s (Resin)

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Flammable liquid and vapor. Reference to other sections: 10.5.

10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions
heat : Polymerization can occur.

10.4. Conditions to avoid
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. UV-radiation/sunlight. See also section 7. Handling and storage.

10.5. Incompatible materials
Strong oxidizing agents. Strong bases. Strong acids. See also section 7. Handling and storage.

10.6. Hazardous decomposition products
Burning produces noxious and toxic fumes. (COx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified
# Hammer Capsule

**HC 3/8”, HC 1/2”, HC 5/8”, HC 3/4”, HC 7/8”, HC 1”**

<table>
<thead>
<tr>
<th>Substance</th>
<th>ATE US (oral)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Styrene (100-42-5)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>1000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>11.8 mg/l</td>
<td></td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>1000 mg/kg body weight</td>
<td></td>
</tr>
<tr>
<td>ATE US (vapors)</td>
<td>11.8 mg/l/4h</td>
<td></td>
</tr>
<tr>
<td>ATE US (dust, mist)</td>
<td>1.5 mg/l/4h</td>
<td></td>
</tr>
<tr>
<td><strong>2-Propanol, 1,1’-[(4-methylphenyl)imino]bis-(38668-48-3)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>5 mg/kg body weight</td>
<td></td>
</tr>
<tr>
<td><strong>Dibenzoyl peroxide (94-36-0)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>7710 mg/kg</td>
<td></td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>7710 mg/kg body weight</td>
<td></td>
</tr>
<tr>
<td><strong>dicyclohexyl phthalate (84-61-7)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>30 ml/kg</td>
<td></td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>30000 mg/kg body weight</td>
<td></td>
</tr>
</tbody>
</table>

### Skin corrosion/irritation
- Causes skin irritation.

### Serious eye damage/irritation
- Causes serious eye irritation.

### Respiratory or skin sensitization
- May cause an allergic skin reaction.

### Germ cell mutagenicity
- Not classified

### Carcinogenicity
- Not classified

**Styrene (100-42-5)**

<table>
<thead>
<tr>
<th>IARC group</th>
<th>2A - Probably carcinogenic to humans</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Toxicology Program (NTP) Status</td>
<td>3 - Reasonably anticipated to be Human Carcinogen</td>
</tr>
<tr>
<td>In OSHA Hazard Communication Carcinogen list</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Dibenzoyl peroxide (94-36-0)**

<table>
<thead>
<tr>
<th>IARC group</th>
<th>3 - Not classifiable</th>
</tr>
</thead>
</table>

### Reproductive toxicity
- May damage fertility or the unborn child.

### STOT-single exposure
- Not classified

### STOT-repeated exposure
- Causes damage to organs through prolonged or repeated exposure.

### Aspiration hazard
- Not classified

### Inhalation
- No adverse effects are expected. May be irritating.

### Skin contact
- Causes skin irritation. May cause an allergic skin reaction.

### Eye contact
- Causes serious eye irritation.

### Symptoms/injuries after ingestion
- Harmful if swallowed.
Chronic symptoms: Causes damage to organs through prolonged or repeated exposure. May damage the unborn child.

Other information: Symptoms related to the physical, chemical and toxicological characteristics.

Reference to other sections: 4.2.

### SECTION 12: Ecological information

#### 12.1. Toxicity

**Ecology - general:** Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>EC50 other aquatic organisms 1</th>
<th>LC50 fish 2</th>
<th>LC50 other aquatic organisms 2</th>
<th>EC50 other aquatic organisms 2</th>
<th>NOEC (acute)</th>
<th>NOEC (additional information)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene (100-42-5)</td>
<td>3.24 - 4.99 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
<td>3.3 - 7.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
<td>1.4 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)</td>
<td>19.03 - 33.53 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])</td>
<td>500 mg/l Bacteria</td>
<td>0.72 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata)</td>
<td>44 mg/kg (Exposure time: 14 Days - Species: Eisenia fetida [soil dry weight])</td>
<td>NOEC, Daphnia : 1,01 mg/l (21d)</td>
</tr>
<tr>
<td>2-Propanol, 1,1'-(4-methylphenyl)imino]bis- (38668-48-3)</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dibenzoyl peroxide (94-36-0)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 fish 1</td>
<td>17 mg/l (Exposure time: 96 h - Species: Danio rerio [static])</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical</th>
<th>LC50 fish 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene (100-42-5)</td>
<td>0.0602 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene (100-42-5)</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

**Biodegradation:** Readily biodegradable

#### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Partition coefficient n-octanol/water</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene (100-42-5)</td>
<td>No data available</td>
<td>No additional information available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical</th>
<th>BCF fish 1</th>
<th>Partition coefficient n-octanol/water</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene (100-42-5)</td>
<td>13.5</td>
<td>2.95</td>
<td>Does not bioaccumulate.</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Mobility in soil</th>
<th>Ecology - soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene (100-42-5)</td>
<td>No data available</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Log Koc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene (100-42-5)</td>
<td>352 (20°C)</td>
</tr>
</tbody>
</table>
12.5. Other adverse effects

Other information : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Handle with care. Safe handling: see section 7. Handling and storage. Do not allow to enter into surface water or drains. Dispose of contaminated materials in accordance with current regulations. Refer to manufacturer/supplier for information on recovery/recycling. Collect and dispose of waste product at an authorized disposal facility.

Additional information : In accordance with local and national regulations.
Further ecological information : Should not be released into the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
Transport document description : UN1866 Resin solution, 3, III
UN-No.(DOT) : UN1866
Proper Shipping Name (DOT) : Resin solution
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT) : 3 - Flammable liquid

Packing group (DOT) : III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx) : 173
DOT Packaging Bulk (49 CFR 173.xxx) : 242
Special provisions : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.
BS2 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.
IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
T2 - 1.5 178.274(d)(2) Normal............... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx) : 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L
DOT Vessel Stowage Location : A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number : 127
Other information : No supplementary information available.
Special precautions for user : No data available.
IBC code : No data available.

Transportation of Dangerous Goods
Transport document description : UN1866 RESIN SOLUTION, 3, III
UN-No. (TDG) : UN1866
Proper Shipping Name (Transportation of Dangerous Goods) : RESIN SOLUTION
TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids
Packing group : III - Minor Danger
Explosive Limit and Limited Quantity Index : 5 L
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 60 L

Transport by sea
UN-No. (IMDG) : 1866
Proper Shipping Name (IMDG) : RESIN SOLUTION
Class or Division : 3 - flammable liquids
Packing group (IMDG) : III - substances presenting low danger

Air transport
UN-No. (IATA) : 1866
Proper Shipping Name (IATA) : Resin solution
Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

<table>
<thead>
<tr>
<th>Compound</th>
<th>Status and Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene (100-42-5)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td></td>
<td>Subject to reporting requirements of United States SARA Section 313</td>
</tr>
<tr>
<td>CERCLA RO</td>
<td>1000 lb</td>
</tr>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
<td>0,1 %</td>
</tr>
<tr>
<td>2-Propanol, 1,1'-(4-methylphenyl)iminobis-(38668-48-3)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>
### 15.2. International regulations

#### CANADA

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Classification</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Styrene (100-42-5)</strong></td>
<td>Class B Division 2 - Flammable Liquid</td>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
<tr>
<td><strong>2-Propanol, 1,1’-{[4-methylphenyl]imino}bis- (38668-48-3)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dibenzoyl peroxide (94-36-0)</strong></td>
<td>Class C - Oxidizing Material</td>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
<tr>
<td><strong>dicyclohexyl phthalate (84-61-7)</strong></td>
<td></td>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
</tbody>
</table>

#### EU-Regulations

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Classification</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Styrene (100-42-5)</strong></td>
<td></td>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
<tr>
<td><strong>2-Propanol, 1,1’-{[4-methylphenyl]imino}bis- (38668-48-3)</strong></td>
<td></td>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
<tr>
<td><strong>Dibenzoyl peroxide (94-36-0)</strong></td>
<td></td>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
<tr>
<td><strong>dicyclohexyl phthalate (84-61-7)</strong></td>
<td></td>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
</tbody>
</table>

#### National regulations

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Classification</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Styrene (100-42-5)</strong></td>
<td></td>
<td>Listed on the AICS (Australian Inventory of Chemical Substances)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listed on the Japanese ENCS (Existing &amp; New Chemical Substances) inventory</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listed on the Japanese ISHL (Industrial Safety and Health Law)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listed on the Korean ECL (Existing Chemicals List)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listed on NZIoC (New Zealand Inventory of Chemicals)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Japanese Pollutant Release and Transfer Register Law (PRTR Law)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listed on the Canadian IDL (Ingredient Disclosure List)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listed on INSQ (Mexican National Inventory of Chemical Substances)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listed on EPA Hazardous Air Pollutant (HAPS)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listed on the TCSI (Taiwan Chemical Substance Inventory)</td>
</tr>
</tbody>
</table>
2-Propanol, 1,1’-[4-(methylphenyl)imino]bis- (38668-48-3)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
- Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
- Listed on the Japanese ISHL (Industrial Safety and Health Law)
- Listed on the Korean ECL (Existing Chemicals List)
- Listed on NZIoC (New Zealand Inventory of Chemicals)
- Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
- Listed on the TCSI (Taiwan Chemical Substance Inventory)

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- Listed on INSQ (Mexican National Inventory of Chemical Substances)
- Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

<table>
<thead>
<tr>
<th>Styrene (100-42-5)</th>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significant risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>27 µg/day</td>
</tr>
</tbody>
</table>

SECTION 16: Other information

Sources of key data used to compile the datasheet: LOLI. Supplier information.
Abbreviations and acronyms: ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin 
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route 
CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC 
IATA = International Air Transport Association 
IMDG = International Maritime Dangerous Goods Code 
LEL = Lower Explosive Limit/Lower Explosion Limit 
UEL = Upper Explosion Limit/Upper Explosive Limit 
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals. 
EC50 = Median Effective Concentration. LC50 = Median lethal concentration. LD50 = Median lethal dose. Not applicable. TLV = Threshold limits. TWA = time weighted average. STEL = Short term exposure limit. persistent, bioaccumulating and toxic (PBT). vPvB = very persistent and very bioaccumulating. WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act).

Training advice: Training staff on good practice. Manipulations are to be done only by qualified and authorized persons.

Other information: Assessment/classification GHS. Calculation method. Physicochemical hazard assessment: Information given is based on tests on the mixture itself.

Full text of H-phrases:

<table>
<thead>
<tr>
<th>H-phrases</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H226</td>
<td>Flammable liquid and vapour</td>
</tr>
<tr>
<td>H241</td>
<td>Heating may cause a fire or explosion</td>
</tr>
<tr>
<td>H300</td>
<td>Fatal if swallowed</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H360</td>
<td>May damage fertility or the unborn child</td>
</tr>
<tr>
<td>H361</td>
<td>Suspected of damaging fertility or the unborn child</td>
</tr>
<tr>
<td>H372</td>
<td>Causes damage to organs through prolonged or repeated exposure</td>
</tr>
</tbody>
</table>

NFPA health hazard: 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.

NFPA reactivity: 0 - Material that in themselves are normally stable, even under fire conditions.
Hazard Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 3 Serious Hazard - Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F, as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non- Explosives.

Personal protection : B
B - Safety glasses, Gloves

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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