1. Identification

**Identification**

Product name: Busch R 605

Additional identification

Chemical name: Mixture

**Recommended use and restriction on use**

Recommended use: Not determined.

Restrictions on use: Not determined.

Details of the supplier of the safety data sheet

**Supplier**

Company Name: Busch LLC

Address: 516 Viking Drive

Virginia Beach, VA 23452

US

Telephone: (757) 463-7800

Emergency telephone number: FOR TRANSPORT EMERGENCY CALL CHEMTREC (800) 424-9300 OR BUSCH LLC (757) 463-7800 FOR NON-EMERGENCIES.

2. Hazard(s) identification

**Hazard Classification**

Not classified

**Label Elements:**

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: not applicable

Precautionary Statement: not applicable

Other hazards which do not result in GHS classification: None identified.

3. Composition/information on ingredients

**General information:**

The components are not hazardous or are below required disclosure limits.

4. First-aid measures

**Ingestion:**

Treat symptomatically. Get medical attention.
Inhalation: Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If experiencing respiratory symptoms call a poison center or doctor.

Skin Contact: Wash with soap and water. If skin irritation occurs, get medical attention. Remove contaminated clothing. Launder contaminated clothing before reuse.

Eye contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if irritation persists after washing.

Most important symptoms/effects, acute and delayed

Symptoms: See section 11.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-fighting measures

General Fire Hazards: Use water to cool containers exposed to fire. Stop leak if safe to do so. Do not release chemically contaminated water into drains, soil or surface water.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: CO2, dry chemical, foam, water spray, water fog.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information. Burning may produce irritating, toxic and obnoxious fumes. Container may rupture on heating. Keep away from heat, sparks and open flame.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Only trained personnel should be permitted in area. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Caution: Contaminated surfaces may be slippery.
### Methods and material for containment and cleaning up:

Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Shut off leaks if without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Place in metal containers for recovery or disposal. Wash contact areas with soap and water.

### Environmental Precautions:

Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Material will float on water.

### 7. Handling and storage

#### Precautions for safe handling:

Do not breathe thermal decomposition products. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Keep away from ignition sources such as heat, sparks and open flame. No smoking. Open container in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Avoid prolonged exposure to heat and air. Avoid eye contact. Avoid repeated or prolonged skin contact. When using do not eat, drink or smoke. Avoid drinking, tasting, swallowing or ingesting this product. Avoid breathing dust, fume, gas, mist, vapors or spray. Ground/bond container and receiving equipment. Use spark-proof tools and explosion-proof equipment. Do not breathe thermal decomposition products. Wash thoroughly after handling. Launder contaminated clothing before reuse. Do not reuse empty containers. Empty containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark or other sources of ignition.

#### Maximum Handling Temperature:

Not determined.

#### Conditions for safe storage, including any incompatibilities:

Keep material from heat, light, sparks and flame. Store separately from oxidizers. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Store away from direct heat source and away from sunlight. Do not store in open, unlabeled or mislabeled containers. See section 10 for incompatible materials.

#### Maximum Storage Temperature:

Not determined.

### 8. Exposure controls/personal protection

#### Control Parameters:

**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Appropriate engineering controls:**

Mechanical ventilation or local exhaust ventilation may be required.
Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required.

Eye/face protection: If contact is likely, safety glasses with side shields are recommended.

Skin Protection
   Hand Protection: Suitable gloves can be recommended by the glove supplier. Consult clothing/glove manufacturer to determine appropriate type of glove for given situation. Gloves should always be inspected before each use and discarded if they show tears, pinholes, or signs of wear. Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.

Other: Long sleeve shirt is recommended. Wear apron or protective clothing in case of contact. Do not wear rings, watches or similar apparel that could entrap the material. Use good industrial hygiene practices. In case of skin contact, wash hands and arms thoroughly with soap and water to prevent a skin reaction.

Respiratory Protection: Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Use respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
</tr>
<tr>
<td>Physical state</td>
<td>liquid</td>
</tr>
<tr>
<td>Form</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless to yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</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>Freezing point</td>
<td>No data available.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flash Point</td>
<td>530.1 °F (276.7 °C) (Cleveland Open Cup)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Upper/lower limit on flammability or explosive limits</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flammability limit - lower (%)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Explosive limit - upper (%)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Explosive limit - lower (%)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available.</td>
</tr>
</tbody>
</table>
Vapor density: No data available.
Relative density: 0.835 68 °F (20 °C)
Solubility(ies)
   Solubility in water: Insoluble in water
   Solubility (other): No data available.
Partition coefficient (n-octanol/water): No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Viscosity: No data available.

10. Stability and reactivity

Reactivity: No data available.
Chemical Stability: Material is stable under normal conditions.
Possibility of Hazardous Reactions: Will not occur.
Conditions to Avoid: Do not expose to excessive heat, ignition sources, or oxidizing materials. Protect against direct sunlight.
Hazardous Decomposition Products: Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

11. Toxicological information

Information on likely routes of exposure
   Inhalation: No data available.
   Ingestion: No data available.
   Skin Contact: No data available.
   Eye contact: No data available.

Information on toxicological effects
   Acute toxicity
      Oral
         Product: Not classified for acute toxicity based on available data.
      Dermal
         Product: Not classified for acute toxicity based on available data.
      Inhalation
         Product: Not classified for acute toxicity based on available data.
      Skin Corrosion/Irritation
         Product: Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin. Prolonged or repeated contact may cause irritation. Remarks: Not classified as a primary skin irritant.
Serious Eye Damage/Eye Irritation:
Product: Remarks: Not classified as a primary eye irritant.

Respiratory sensitization: No data available

Skin sensitization: No data available

Specific Target Organ Toxicity - Single Exposure: No data available

Aspiration Hazard: No data available

Chronic Effects
Carcinogenicity: No data available

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

No carcinogenic components identified

Germ Cell Mutagenicity: No data available

Reproductive toxicity: No data available

Specific Target Organ Toxicity - Repeated Exposure: No data available

12. Ecological information

Ecotoxicity
Fish No data available

Aquatic Invertebrates No data available

Toxicity to Aquatic Plants No data available

Toxicity to soil dwelling organisms No data available

Sediment Toxicity No data available
Toxicity to Terrestrial Plants  No data available
Toxicity to Above-Ground Organisms  No data available
Toxicity to microorganisms  No data available
Persistence and Degradability
Biodegradation  No data available
Bioaccumulative Potential
Bioconcentration Factor (BCF)  No data available
Partition Coefficient n-octanol / water (log Kow)  No data available
Mobility:  No data available
Other Adverse Effects:  No data available.

### 13. Disposal considerations

Disposal instructions: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

Contaminated Packaging: Container packaging may exhibit hazards.

### 14. Transport information

**DOT**
Not regulated.

**IMDG**
Not regulated.

**IATA**
Not regulated.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
None known.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. Review classification requirements before shipping materials at elevated temperatures.

### 15. Regulatory information

**US Federal Regulations**
**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**
None present or none present in regulated quantities.
Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
None known.

SARA 302 Extremely Hazardous Substance
SARA 304 Emergency Release Notification
SARA 311/312 Hazardous Chemical
SARA 313 (TRI Reporting)
This product may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA). For additional information please contact Busch LLC.

US State Regulations

US. California Proposition 65
No ingredient regulated by CA Prop 65 present.

Inventory Status

Australia (AICS)
All components are in compliance with chemical notification requirements in Australia.

Canada (DSL/NDSL)
All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

China (IECSC)
All components of this product are listed on the Inventory of Existing Chemical Substances in China.

European Union (REACH)
To obtain information on the REACH compliance status of this product, please contact Busch LLC.

Japan (ENCS)
All components are in compliance with the Chemical Substances Control Law of Japan.

Korea (ECL)
All components are in compliance in Korea.

New Zealand (NZIoC)
All components are in compliance with chemical notification requirements in New Zealand.

Philippines (PICCS)
All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

Switzerland (SWISS)
All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

Taiwan (TCSCA)
All components of this product are listed on the Taiwan inventory.

United States (TSCA)
All components of this material are on the US TSCA Inventory.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.
16. Other information, including date of preparation or last revision

HMIS Hazard ID

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID

1 0 1

Flammability
Health
Reactivity
Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date: 06/01/2015
Version #: 1.0
Source of information: Internal company data and other publicly available resources.
Further Information: Contact supplier (see Section 1)
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