



B3

1. Identification of Substance/Preparation and Company:

* Product name: Curtis Machine Cleaner

* Supplier: Curtis Fluids

1901 Godfrey SW
Grand Rapids MI 49509

Tel: 616-452-5591

Fax: 616-452-5640

2. Composition / Information on Ingredients:

| Chemical name | CAS-number | % by weight | Exposure Limits | Proprietary |
|---------------|------------|-------------|-----------------|-------------|
|---------------|------------|-------------|-----------------|-------------|

3. Hazards Identification:

* Human Health Hazards: None

* Hazardous Reactions: None

4. First - Aid - Measures:

* General: In all cases of doubt, or when symptoms persist, seek medical attention. Remove contaminated clothing and wash before reuse.

* Inhalation: If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues

* Skin contact: Wash skin with soap and water. If irritation occurs, get medical attention.

* Eye contact: Flush eyes with plenty of water and get medical attention.

* Ingestion: Get medical attention immediately. Do not induce vomiting.

5. Fire Fighting Measures:

* Extinguishing media: Foam, carbon dioxide, dry chemical, sand, and water fog. Do not use water jet.

* Special exposure hazards: Do not breathe fumes.

* Hazardous decomposition / combustion products: Carbon Oxides, Nitrogen Oxides, and Smoke.

* Protective equipment: Wear full protective gear. Wear self-contained breathing apparatus.

* Other information: Cool containers using water spray. Do not allow contaminated water to enter drains or waterways.

6. Accidental Release Measures:

* Personal precautions: The usual precautions for handling chemicals should be observed.

Wear respirator if fumes, mist or aerosols are present. Spilled product may cause floor to become slippery. Mixes with water to form slippery residues.

* Environmental precautions: Do not allow to enter drains, waterways or the soil. Prevent spillage from spreading by using an absorbent media. Should there be leakages into surface water, drains channels or waterways, advise the appropriate authorities.

* Clean - up methods: Absorb or contain liquid with spill control material. Shovel into a suitable, clearly marked container for disposal in compliance with local regulations. In case of larger spillages, prevent these from spreading.

7. Handling and Storage:

* Handling: Avoid contact with skin and clothing. Avoid generating mist. Use with adequate ventilation. Wash thoroughly after handling.

* Storage: Keep container tightly closed. Store in cool, dry place, out of direct sunlight. Do not cut, grind, drill, weld, containers. Reuse or dispose of containers properly.

8. Exposure Controls / Personal Protection:

- * Engineering control measures: Provide exhaust to keep airborne concentrations of mist and vapors below exposure limits.
- * Respiratory protection: Wear respiratory protection in presence of aerosols or mists. Avoid breathing vapors, fumes, and mist.
- * Hand protection: Wear protective oil-resistant gloves. Avoid contact with the skin.
- * Eye - Protection: Safety splash glasses or goggles. Avoid contact with the eyes.
- * Body Protection: Wear industrial protective clothing and apron. Avoid contact with skin and clothing.

9. Physical and Chemical Properties:

- * Form: liquid
- * Color: blue
- * Odor: mild
- pH value @ 5% 10.0
- Solubility in Water 100%
- * Change of physical state:
- * Boiling point >100/212 °C/°F
- * Cloud point: < -15/5 °C/°F
- * Flash point: >160/320 °C/°F
- * Ignition - point: >240/464 °C/°F
- * Density: at 15°C/59 °F 1.02
- * Vapor pressure: Not Available

10. Stability / Reactivity:

- * Materials to avoid: Avoid contact with strong oxidizing agents.
- * Hazardous decomposition products: None when stored and used correctly.

11. Toxicological Information:

- Oral toxicity: LD50 rat >5000mg/kg (estimated).
- Skin sensitization: Not known
- Skin irritation: LD50 dermal rabbit >2000mg/kg (estimated).
- Eye irritation: Not Known
- * Additional toxicological information: none

12. Ecological Information:

- * Biodegradability: Moderately biodegradable. Product is water-miscible.
- * Aquatic Toxicity: The product is not expected to be highly toxic to aquatic life. If released to water, the product will disperse as a solution and may deplete the oxygen supply to bottom dwelling organisms. Do not allow the product to escape into the environment. Avoid contamination of ground, surface water and drains.

13. Disposal Information:

- * Precautions: Dispose of according to local, state and federal regulations.

14. Transport Information:

- Transport classification: Not classified as hazardous for transport.

15. Regulatory Information:

- * U.S. Federal Regulations: TSCA compliant

16. Other Information:

- | | |
|-------------------|---------------------------------------|
| HMIS Rating: | National Fire Protection Association: |
| Health 1 | Health 1 |
| Flammability 1 | Fire Hazard 1 |
| Physical Hazard 0 | Instability 0 |
- Other Special Considerations: May cause eye irritation. May cause skin irritation.
May cause respiratory tract irritation.
Only to be used for industrial purposes.

This information is based on our current knowledge and is intended to describe the product for purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.