



# SAFETY DATA SHEET

Revision Date 13-May-2015

Version 1

## 1. IDENTIFICATION

**Product identifier**

**Product Name** Wynn's Heavy Duty Universal Cooling System Cleaner

**Other means of identification**

**Product Code** WN A4702

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** See directions provided with product

**Uses advised against** All other applications

**Details of the supplier of the safety data sheet**

| <b>Supplier Address</b>                                                            | <b>Manufacturer Address</b> | <b>Distributor</b> |
|------------------------------------------------------------------------------------|-----------------------------|--------------------|
| ITW Professional Automotive Products<br>3606 Craftsman Blvd.<br>Lakeland, FL 33803 |                             |                    |

**Company Phone Number** 863-665-3338  
**24 Hour Emergency Phone Number** Chem-Tel: 800-255-3924  
International Emergency:  
00+1+ 813-248-0585  
Contract Number: MIS0003583

**E-mail address** EHS@itwproap.com

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                   |                           |
|-----------------------------------|---------------------------|
| Acute toxicity - Oral             | Category 4                |
| Skin corrosion/irritation         | Category 1 Sub-category A |
| Serious eye damage/eye irritation | Category 1                |

**Label elements**

### Emergency Overview

**Danger**

Harmful if swallowed  
Causes severe skin burns and eye damage



**Appearance** Clear, yellow

**Physical state** Liquid

**Odor** Odorless

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth  
 Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**substance(s)**

| Chemical Name           | CAS No     | Weight-% | Trade Secret |
|-------------------------|------------|----------|--------------|
| Potassium Hydroxide 45% | 1310-58-3  | 3 - 7    | *            |
| Boric Acid              | 10043-35-3 | 1 - 5    | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**Description of first aid measures**

**General advice**

Get medical advice/attention if you feel unwell.

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|                                           |                                                                                                                                                                                            |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>                        | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| <b>Skin contact</b>                       | IF ON SKIN: Wash skin with soap and water. If skin irritation persists, call a physician. Wash contaminated clothing before reuse.                                                         |
| <b>Inhalation</b>                         | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.                                                    |
| <b>Ingestion</b>                          | IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.                                                                             |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.                                                                                                  |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** See section 2 for more information.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Carbon dioxide (CO2), Dry chemical, Foam

**Unsuitable extinguishing media**

None.

**Specific hazards arising from the chemical**

None in particular.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** Strong oxidizing agents

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

| Chemical Name                        | ACGIH TLV                                                                                   | OSHA PEL                               | NIOSH IDLH                   |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Potassium Hydroxide 45%<br>1310-58-3 | Ceiling: 2 mg/m <sup>3</sup>                                                                | (vacated) Ceiling: 2 mg/m <sup>3</sup> | Ceiling: 2 mg/m <sup>3</sup> |
| Boric Acid<br>10043-35-3             | STEL: 6 mg/m <sup>3</sup> inhalable fraction<br>TWA: 2 mg/m <sup>3</sup> inhalable fraction | -                                      | -                            |

*NIOSH IDLH Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

- Eye/face protection** Wear safety glasses with side shields (or goggles).
- Skin and body protection** Wear protective gloves and protective clothing.
- Respiratory protection** Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical state** Liquid  
**Appearance** Clear, yellow  
**Odor** Odorless  
**Odor threshold** No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-----------------|---------------|-------------------------|
| pH              | 11            |                         |

|                                |                          |
|--------------------------------|--------------------------|
| Melting point / freezing point | No information available |
| Boiling point / boiling range  | > 35 °C / 95 °F          |
| Flash point                    | > 100 °C / > 212 °F      |
| Evaporation rate               | No information available |
| Flammability (solid, gas)      | No information available |
| Flammability Limit in Air      |                          |
| Upper flammability limit:      | No information available |
| Lower flammability limit:      | No information available |
| Vapor pressure                 | No information available |
| Vapor density                  | No information available |
| Relative density               | 1.2                      |
| Water solubility               | Soluble in water         |
| Solubility in other solvents   | No information available |
| Partition coefficient          | No information available |
| Autoignition temperature       | No information available |
| Decomposition temperature      | No information available |
| Kinematic viscosity            | 1 mm <sup>2</sup> /s     |
| Dynamic viscosity              | No information available |
| Explosive properties           | No information available |
| Oxidizing properties           | No information available |

**Other Information**

|                  |                          |
|------------------|--------------------------|
| Softening point  | No information available |
| Molecular weight | No information available |
| VOC Content (%)  | No information available |
| Density          | No information available |
| Bulk density     | No information available |

**10. STABILITY AND REACTIVITY**

**Reactivity**  
No data available

**Chemical stability**  
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**  
None under normal processing.

**Conditions to avoid**  
Excessive heat.

**Incompatible materials**  
Strong oxidizing agents

**Hazardous Decomposition Products**  
Carbon oxides

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

|              |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| Inhalation   | May cause irritation of respiratory tract.                                         |
| Eye contact  | Contact with eyes may cause irritation. May cause redness and tearing of the eyes. |
| Skin contact | May cause skin irritation and/or dermatitis.                                       |
| Ingestion    | Ingestion may cause irritation to mucous membranes.                                |

| Chemical Name                        | Oral LD50            | Dermal LD50             | Inhalation LC50         |
|--------------------------------------|----------------------|-------------------------|-------------------------|
| Potassium Hydroxide 45%<br>1310-58-3 | = 284 mg/kg ( Rat )  | -                       | -                       |
| Boric Acid<br>10043-35-3             | = 2660 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 0.16 mg/L ( Rat ) 4 h |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name            | ACGIH | IARC | NTP | OSHA |
|--------------------------|-------|------|-----|------|
| Boric Acid<br>10043-35-3 | -     | -    | -   | X    |

*IARC (International Agency for Research on Cancer)*

*Group 2A - Probably Carcinogenic to Humans*

*Group 2B - Possibly Carcinogenic to Humans*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

**Target Organ Effects** Eyes, Respiratory system, Skin.

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 1959 mg/kg  
**ATEmix (dermal)** 50396 mg/kg  
**ATEmix (inhalation-dust/mist)** 10.2 mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

0.5397% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                        | Algae/aquatic plants | Fish                                                   | Crustacea                                  |
|--------------------------------------|----------------------|--------------------------------------------------------|--------------------------------------------|
| Potassium Hydroxide 45%<br>1310-58-3 | -                    | 80: 96 h Gambusia affinis mg/L<br>LC50 static          | -                                          |
| Boric Acid<br>10043-35-3             | -                    | 1020: 72 h Carassius auratus mg/L<br>LC50 flow-through | 115 - 153: 48 h Daphnia magna<br>mg/L EC50 |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

| Chemical Name                        | Partition coefficient |
|--------------------------------------|-----------------------|
| Potassium Hydroxide 45%<br>1310-58-3 | 0.65<br>0.83          |
| Boric Acid<br>10043-35-3             | -0.757                |

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** Not applicable

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name                        | California Hazardous Waste Status |
|--------------------------------------|-----------------------------------|
| Potassium Hydroxide 45%<br>1310-58-3 | Toxic<br>Corrosive                |
| Boric Acid<br>10043-35-3             | Toxic                             |

**14. TRANSPORT INFORMATION**

**DOT**

**UN/ID no** UN1760  
**Proper shipping name:** Corrosive Liquid, N.O.S. (Contains Potassium Hydroxide), Limited Quantities  
**Hazard Class** 8  
**Packing Group** III

**IATA**

**UN/ID no** UN1760  
**Proper shipping name:** Corrosive Liquid, N.O.S. (Contains Potassium Hydroxide), Limited Quantities  
**Hazard Class** 8  
**Packing Group** III

**IMDG**

**UN/ID no** UN1760  
**Proper shipping name:** Corrosive Liquid, N.O.S. (Contains Potassium Hydroxide), Limited Quantities  
**Hazard Class** 8  
**Subsidiary hazard class** III

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies  
**EINECS/ELINCS** Complies  
**ENCS** Complies  
**IECSC** Complies  
**KECL** Complies  
**PICCS** Complies  
**AICS** Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name              | SARA 313 - Threshold Values % |
|----------------------------|-------------------------------|
| Sodium Nitrite - 7632-00-0 | 1.0                           |

**SARA 311/312 Hazard Categories**

|                                   |    |
|-----------------------------------|----|
| Acute health hazard               | No |
| Chronic Health Hazard             | No |
| Fire hazard                       | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard                   | No |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name                        | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--------------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Potassium Hydroxide 45%<br>1310-58-3 | 1000 lb                     | -                      | -                         | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name                        | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|--------------------------------------|--------------------------|----------------|-------------------------------------------|
| Potassium Hydroxide 45%<br>1310-58-3 | 1000 lb                  | -              | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

| Chemical Name                                 | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------------------------|------------|---------------|--------------|
| Potassium Hydroxide 45%<br>1310-58-3          | X          | X             | X            |
| Sodium Nitrite<br>7632-00-0                   | X          | X             | X            |
| Sodium Hydroxide 50%<br>1310-73-2             | X          | X             | X            |
| Nitilotriacetate, trisodium salt<br>5064-31-3 | -          | X             | -            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**NFPA** Flammability 1      Instability 0      -      **HMIS**  
 Flammability 1      Physical hazards 0      Personal protection B

NFPA (National Fire Protection Association)  
 HMIS (Hazardous Material Information System)

Revision Date 13-May-2015



**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**