



# SAFETY DATA SHEET

## 1. Identification

**Product name** JCB HD COOLANT CONCENTRATE

**Other means of identification** No data available.

**Recommended use:** Antifreeze/coolant

**Restrictions on use:** Industrial use only

### Manufacturer/Importer/Supplier/Distributor Information

#### Manufacturer

Company Name: JCB Inc.  
Address: 2000 Bamford Blvd.  
Pooler, GA 31322  
Telephone: (912) 447-2000  
Fax: (912) 447-2295  
Contact Person: Customer Service Department

**Emergency telephone number:** 800-255-3924 (24 hrs)

## 2. Hazard(s) identification

### Hazard Classification

#### Health Hazards

|   |             |
|---|-------------|
| Acute toxicity (Oral)                                 | Category 4  |
| Toxic to reproduction                                 | Category 1B |
| Specific Target Organ Toxicity -<br>Repeated Exposure | Category 2  |

### Label Elements

#### Hazard Symbol:



**Signal Word:** Danger

**Hazard Statement:** Harmful if swallowed.  
May damage fertility or the unborn child.  
May cause damage to organs through prolonged or repeated exposure.

#### Precautionary



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## Statements

- Prevention:** Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust or mists.
- Response:** IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. Rinse mouth. IF exposed or concerned: Get medical advice/attention.
- Storage:** Store locked up.
- Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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

### Unknown toxicity - Health

Acute toxicity, oral 0.1 - 1.0 %

## 3. Composition/information on ingredients

### Hazardous Component(s):

| Chemical name             | CAS-No.      | Concentration |
|---------------------------|--------------|---------------|
| Ethylene glycol           | 107-21-1     | 80 - <100%    |
| Sodium salt of Boron acid | Confidential | <5%           |

Specific chemical identities and/or exact percentages have been withheld as trade secrets.

## 4. First-aid measures

- Ingestion:** Call a POISON CENTRE/doctor if you feel unwell. Rinse mouth.
- Inhalation:** Move to fresh air. Call a POISON CENTRE/doctor if you feel unwell.
- Skin Contact:** Remove contaminated clothing and shoes. Wash contact areas with soap and water. If skin irritation occurs: Get medical advice/attention.
- Eye contact:** Flush thoroughly with water. If irritation occurs, get medical assistance. Continue to rinse for at least 15 minutes.

### Most important symptoms/effects, acute and delayed

**Symptoms:** No data available.

### Indication of immediate medical attention and special treatment needed

**Treatment:** Symptoms may be delayed.



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## 5. Fire-fighting measures

**General Fire Hazards:** No unusual fire or explosion hazards noted.

### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Water spray, fog, CO<sub>2</sub>, dry chemical, or regular foam. Use fire-extinguishing media appropriate for surrounding materials.

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

**Specific hazards arising from the chemical:** Heat may cause the containers to explode. During fire, gases hazardous to health may be formed.

### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. Ensure adequate ventilation.

**Methods and material for containment and cleaning up:** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal.

**Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

## 7. Handling and storage

**Precautions for safe handling:** Observe good industrial hygiene practices. Wear appropriate personal protective equipment. Do not expose to intense heat as product may expand and pressurize container. Do not taste or swallow. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

**Conditions for safe storage, including any incompatibilities:** Store locked up.



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## 8. Exposure controls/personal protection

### Exposure Limits

| Chemical name                         | Type | Exposure Limit Values | Source                                     |
|---------------------------------------|------|-----------------------|--|
| Ethylene glycol - Aerosol, inhalable. | STEL | 10 mg/m <sup>3</sup>  | US. ACGIH Threshold Limit Values (03 2017) |
| Ethylene glycol - Vapor fraction      | TWA  | 25 ppm                | US. ACGIH Threshold Limit Values (03 2017) |
| Ethylene glycol - Vapor fraction      | STEL | 50 ppm                | US. ACGIH Threshold Limit Values (03 2017) |

|                                  |  |
|----------------------------------|--|
| <b>Protective Measures:</b>      | Use personal protective equipment as required.   |
| <b>Respiratory Protection:</b>   | In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.  |
| <b>Eye Protection:</b>           | Wear safety glasses with side shields (or goggles).  |
| <b>Skin and Body Protection:</b> | Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.   |
| <b>Hygiene measures:</b>         | 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

### Appearance

|  |                            |
|--|----------------------------|
| <b>Physical state:</b>                                       | Liquid                     |
| <b>Form:</b>   | No data available.         |
| <b>Color:</b>  | Green                      |
| <b>Odor:</b>   | Mild                       |
| <b>Odor threshold:</b>                                       | No data available.         |
| <b>pH:</b>   | No data available.         |
| <b>Melting point/freezing point:</b>                         | No data available.         |
| <b>Initial boiling point and boiling range:</b>              | 197 °C                     |
| <b>Flash Point:</b>  | 111 °C (232 °F) Closed Cup |
| <b>Evaporation rate:</b>                                     | < 0.01                     |
| <b>Flammability (solid, gas):</b>                            | No data available.         |
| <b>Upper/lower limit on flammability or explosive limits</b> |                            |
| <b>Flammability limit - upper (%):</b>                       | 22.0 %(V)                  |
| <b>Flammability limit - lower (%):</b>                       | 3.2 %(V)                   |
| <b>Explosive limit - upper (%):</b>                          | No data available.         |
| <b>Explosive limit - lower (%):</b>                          | No data available.         |



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|  |                                  |
|--|----------------------------------|
| Vapor pressure:                          | No data available.               |
| Vapor density:                           | 2.14                             |
| Relative density:                        | 1.15                             |
| Solubility(ies)                          |                                  |
| Solubility in water:                     | Soluble                          |
| 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:                               | 18.86 mm <sup>2</sup> /s (20 °C) |
| Other information                        |                                  |
| Minimum ignition temperature:            | 398 °C                           |

## 10. Stability and reactivity

|                                     |   |
|-------------------------------------|---|
| Reactivity:                         | Not reactive during normal use.   |
| Chemical Stability:                 | Material is stable under normal conditions.   |
| Possibility of hazardous reactions: | None under normal conditions.   |
| Conditions to avoid:                | Avoid heat or contamination.  |
| Incompatible Materials:             | No data available.  |
| Hazardous Decomposition Products:   | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

## 11. Toxicological information

### Information on likely routes of exposure

|               |  |
|---------------|--|
| Ingestion:    | Harmful if swallowed.  |
| Inhalation:   | Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes. |
| Skin Contact: | Prolonged skin contact may cause redness and irritation.   |
| Eye contact:  | Eye contact is possible and should be avoided.   |

### Symptoms related to the physical, chemical and toxicological characteristics

|               |                    |
|---------------|--------------------|
| Ingestion:    | No data available. |
| Inhalation:   | No data available. |
| Skin Contact: | No data available. |



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**Eye contact:** No data available.

## Information on toxicological effects

### Acute toxicity (list all possible routes of exposure)

**Oral**  
**Product:** ATEmix (): 300 - 2000 mg/kg

**Dermal**  
**Product:** No data available.

**Inhalation**  
**Product:** No data available.

**Repeated dose toxicity**  
**Product:** No data available.

**Skin Corrosion/Irritation**  
**Product:** No data available.

**Serious Eye Damage/Eye Irritation**  
**Product:** No data available.

**Respiratory or Skin Sensitization**  
**Product:** No data available.

**Carcinogenicity**  
**Product:** 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

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**  
No carcinogenic components identified

### Germ Cell Mutagenicity

**In vitro**  
**Product:** No data available.

**In vivo**  
**Product:** No data available.

**Reproductive toxicity**  
**Product:** May damage fertility or the unborn child.

**Specific Target Organ Toxicity - Single Exposure**  
**Product:** No data available.



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## Specific Target Organ Toxicity - Repeated Exposure

**Product:** Oral Dermal: Kidney - Causes damage to organs.

## Aspiration Hazard

**Product:** No data available.

**Other effects:** No data available.

## 12. Ecological information

**General information:** This product has not been evaluated for ecological toxicity or other environmental effects.

## 13. Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.

**Contaminated Packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### DOT

|                               |  |
|-------------------------------|--|
| UN Number:                    | UN 3082  |
| UN Proper Shipping Name:      | Environmentally hazardous substance, liquid, n.o.s.(Ethylene glycol) |
| Transport Hazard Class(es)    |  |
| Class:                        | 9  |
| Label(s):                     | 9  |
| Packing Group:                | III  |
| Marine Pollutant:             | Yes  |
| Special precautions for user: | —  |
| Reportable quantity           | Ethylene glycol 5000 lbs   |

### IMDG

Not regulated.

### IATA

Not regulated.

## 15. Regulatory information

### US Federal Regulations



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## US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

### Hazard categories

Immediate (Acute) Health Hazards

Delayed (Chronic) Health Hazard

### SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

## US State Regulations

### US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

## 16. Other information, including date of preparation or last revision

**Issue Date:** 09.03.2018

**Revision Date:** 26.09.2016

**Version #:** 1.0

**Further Information:** No data available.

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.