

# SAFETY DATA SHEET



## JEFFCOOL® P200

Version 2.1      Revision Date: 03/15/2021      SDS Number: 400041003932      Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

### SECTION 1. IDENTIFICATION

Product name : JEFFCOOL® P200

#### Manufacturer or supplier's details

Company name of supplier : Level 7 Chemical  
Address : 255 Sturgis Rd, Conway, AR 72034

Telephone : (855) 927-1777

Emergency telephone number : CHEMTREC - USA (English)  
Local Number (National): +1 703-741-5970  
Toll-Free Number: 1-800-424-9300

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

Recommended use : Heat transfer fluids

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Other hazards

THIS PRODUCT IS NOT TO BE USED TO PRODUCE FOGS OR MISTS IN THEATRICAL, MUSICAL, OR OTHER ENTERTAINMENT PERFORMANCES. THIS PRODUCT IS NOT TO BE USED AS A COMPONENT OF THE LIQUID USED IN ELECTRONIC CIGARETTE (E-CIGARETTE) PRODUCTS.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
propane-1,2-diol	57-55-6	90 - 100

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

# SAFETY DATA SHEET

## JEFFCOOL® P200

Version 2.1      Revision Date: 03/15/2021      SDS Number: 400041003932      Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

---

### SECTION 4. FIRST AID MEASURES

- General advice : Treat symptomatically.  
Get medical attention if symptoms occur.
- If inhaled : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.
- In case of skin contact : Get medical attention if irritation develops and persists.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : None known.
- Protection of first-aiders : No special precautions are necessary for first aid responders.  
No action shall be taken involving any personal risk or without suitable training.
- Notes to physician : Treat symptomatically.

---

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : Exercise caution when using a high volume water jet as it may scatter and spread fire
- Specific hazards during firefighting : No information available.
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : No data is available on the product itself.
- Further information : No action shall be taken involving any personal risk or without suitable training.

# SAFETY DATA SHEET

## JEFFCOOL® P200

Version 2.1      Revision Date: 03/15/2021      SDS Number: 400041003932      Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

Conditions for safe storage : No special storage conditions required.  
Keep in properly labelled containers.

Materials to avoid : Keep away from oxidizing agents.  
Keep away from strong acids.

Further information on storage stability : Stable under normal conditions.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
propane-1,2-diol	57-55-6	TWA	10 mg/m <sup>3</sup>	US WEEL

#### Personal protective equipment

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.  
Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand protection

# SAFETY DATA SHEET

## JEFFCOOL® P200

Version 2.1      Revision Date: 03/15/2021      SDS Number: 400041003932      Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

Remarks : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.  
The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Tightly fitting safety goggles

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : General industrial hygiene practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : colourless

Odour : slight

Odour Threshold : No data is available on the product itself.

pH : 9.9

Melting point : < -78.7 °F / < -61.5 °C

Boiling point : 368.1 °F / 186.7 °C

Flash point : 212 °F / 100 °C  
Method: closed cup

Evaporation rate : No data is available on the product itself.

Flammability (solid, gas) : No data is available on the product itself.

Flammability (liquids) : No data is available on the product itself.

Upper explosion limit / Upper flammability limit : No data is available on the product itself.

Lower explosion limit / Lower flammability limit : No data is available on the product itself.

Vapour pressure : < 1.333 hPa (68 °F / 20 °C)

Relative vapour density : 2.6

Relative density : 1.06

Density : No data is available on the product itself.

# SAFETY DATA SHEET

## JEFFCOOL® P200

Version 2.1      Revision Date: 03/15/2021      SDS Number: 400041003932      Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

Solubility(ies)  
Water solubility : soluble

Solubility in other solvents : No data is available on the product itself.

Partition coefficient: n-octanol/water : No data is available on the product itself.

Auto-ignition temperature : No data is available on the product itself.

Thermal decomposition : No data is available on the product itself.

Self-Accelerating decomposition temperature (SADT) : No data is available on the product itself.

Viscosity  
Viscosity, kinematic : < 20 mm<sup>2</sup>/s (104 °F / 40 °C)

Explosive properties : No data is available on the product itself.

Oxidizing properties : No data is available on the product itself.

Particle size : No data is available on the product itself.

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No hazards to be specially mentioned.

Conditions to avoid : None known.

Incompatible materials : None known.

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Oxides of phosphorus  
Metal oxides

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data is available on the product itself.

#### Acute toxicity

Acute oral toxicity - Product : LD50 (Rat): > 5,000 mg/kg

# SAFETY DATA SHEET

## JEFFCOOL® P200

Version 2.1      Revision Date: 03/15/2021      SDS Number: 400041003932      Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

### Components:

propane-1,2-diol:  
Acute inhalation toxicity : LC50 (Rabbit): > 317 mg/l  
Exposure time: 2 h  
Test atmosphere: dust/mist

### Components:

propane-1,2-diol:  
Acute dermal toxicity : LD50 (Rabbit): 21,000 mg/kg

Acute toxicity (other routes of administration) : No data available

### **Skin corrosion/irritation**

#### Components:

propane-1,2-diol:  
Assessment: No skin irritation  
Result: No skin irritation

### **Serious eye damage/eye irritation**

#### Components:

propane-1,2-diol:  
Result: No eye irritation  
Assessment: No eye irritation

### **Respiratory or skin sensitisation**

#### Components:

propane-1,2-diol:  
Exposure routes: Skin  
Species: Guinea pig  
Assessment: Does not cause skin sensitisation.  
Result: Does not cause skin sensitisation.

Assessment: No data available

### **Germ cell mutagenicity**

Genotoxicity in vitro : No data available

Genotoxicity in vivo : No data available

Germ cell mutagenicity-  
Assessment : No data available

### **Carcinogenicity**

No data available

Carcinogenicity -  
Assessment : No data available

# SAFETY DATA SHEET

## JEFFCOOL® P200

Version 2.1      Revision Date: 03/15/2021      SDS Number: 400041003932      Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

**IARC**      No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH**      No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA**      No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**      No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

Effects on fertility      : No data available

Effects on foetal development      : No data available

Reproductive toxicity - Assessment      : No data available

### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

### Repeated dose toxicity

No data available

Repeated dose toxicity - Assessment      : No data available

### Aspiration toxicity

No data available

### Experience with human exposure

General Information:      No data available

Inhalation:      No data available

Skin contact:      No data available

Eye contact:      No data available

# SAFETY DATA SHEET

## JEFFCOOL® P200

Version 2.1      Revision Date: 03/15/2021      SDS Number: 400041003932      Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

Ingestion:                      No data available

### **Toxicology, Metabolism, Distribution**

No data available

### **Neurological effects**

No data available

### **Further information**

Ingestion:                      No data available

---

## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Components:**

propane-1,2-diol:  
Toxicity to fish                      : LC50: 23,800 mg/l  
Exposure time: 96 h

#### **Components:**

propane-1,2-diol:  
Toxicity to daphnia and other      : EC50 (Ceriodaphnia dubia (Water flea)): 18,340 mg/l  
aquatic invertebrates              Exposure time: 48 h  
Test substance: Fresh water  
  
EC50: 34,400 mg/l  
Exposure time: 48 h  
Remarks: Toxic to aquatic organisms.

#### **Components:**

propane-1,2-diol:  
Toxicity to algae/aquatic              : EC50: 19,000 mg/l  
plants                                      Exposure time: 72 h  
Test substance: Fresh water

M-Factor (Acute aquatic              : No data available  
toxicity)

Toxicity to fish (Chronic              : No data available  
toxicity)

Toxicity to daphnia and other      : No data available  
aquatic invertebrates  
(Chronic toxicity)

M-Factor (Chronic aquatic            : No data available  
toxicity)



# SAFETY DATA SHEET

## JEFFCOOL® P200

Version 2.1      Revision Date: 03/15/2021      SDS Number: 400041003932      Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

### Components:

propane-1,2-diol:  
Toxicity to microorganisms : EC50: > 5,000 mg/l

Toxicity to soil dwelling organisms : No data available

Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial organisms : No data available

Ecotoxicology Assessment  
Acute aquatic toxicity : No data available

Chronic aquatic toxicity : No data available

Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

### **Persistence and degradability**

#### Components:

propane-1,2-diol:  
Biodegradability : Result: Readily biodegradable.  
Biodegradation: > 60 %  
Exposure time: 28 d

Result: Readily biodegradable.  
Biodegradation: > 70 %  
Method: OECD Test Guideline 301E

Result: Readily biodegradable.  
Biodegradation: > 70 %  
Method: Directive 67/548/EEC Annex V, C.4.A.

#### Components:

propane-1,2-diol:  
Biochemical Oxygen Demand (BOD) : 860 mg/g

#### Components:

propane-1,2-diol:  
Chemical Oxygen Demand (COD) : 1,585 mg/g  
BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

# SAFETY DATA SHEET

## JEFFCOOL® P200

Version 2.1      Revision Date: 03/15/2021      SDS Number: 400041003932      Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

Dissolved organic carbon (DOC) : No data available

Physico-chemical removability : No data available

Stability in water : No data available

Photodegradation : No data available

Impact on Sewage Treatment : No data available

### Bioaccumulative potential

#### Components:

propane-1,2-diol:  
Bioaccumulation : Bioconcentration factor (BCF): 0.09  
Remarks: Does not bioaccumulate.

#### Components:

propane-1,2-diol:  
Partition coefficient: n-octanol/water : log Pow: -0.92 - -0.3

### Mobility in soil

Mobility : No data available

Distribution among environmental compartments : No data available

Stability in soil : No data available

### Other adverse effects

Environmental fate and pathways : No data available

Results of PBT and vPvB assessment : No data available

Endocrine disrupting potential : No data available

Adsorbed organic bound halogens (AOX) : No data available

### Hazardous to the ozone layer

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82  
Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +

# SAFETY DATA SHEET

## JEFFCOOL® P200

Version 2.1      Revision Date: 03/15/2021      SDS Number: 400041003932      Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

B).

Additional ecological information : No data available

Global warming potential (GWP) : No data available

---

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Dispose of contents and container in accordance with all local, regional, national and international regulations.  
Dispose of contents/ container to an approved waste disposal plant.

---

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA

Not regulated as dangerous goods

##### IMDG

Not regulated as dangerous goods

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

##### DOT Classification

Not regulated as dangerous goods

---

### SECTION 15. REGULATORY INFORMATION

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

# SAFETY DATA SHEET

## JEFFCOOL® P200

Version 2.1      Revision Date: 03/15/2021      SDS Number: 400041003932      Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### The components of this product are reported in the following inventories:

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

TCSI : On the inventory, or in compliance with the inventory

TSCA : All substances listed as active on the TSCA inventory

### Inventories

AIIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

### TSCA - 5(a) Significant New Use Rule List of Chemicals

No substances are subject to a Significant New Use Rule.

### US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

No substances are subject to TSCA 12(b) export notification requirements.

# SAFETY DATA SHEET

## JEFFCOOL® P200

Version  
2.1

Revision Date:  
03/15/2021

SDS Number:  
400041003932

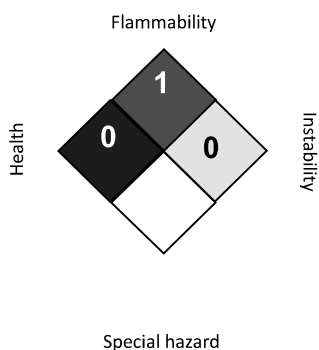
Date of last issue: 10/16/2020  
Date of first issue: 12/08/2019

Print Date 07/20/2021

### SECTION 16. OTHER INFORMATION

#### Further information

#### NFPA 704:



#### HMIS® IV:

HEALTH		0
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard

Revision Date : 03/15/2021

US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)  
US WEEL / TWA : 8-hr TWA

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.