

Safety Data Sheet


according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS

Revision: 21 July 2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Corr-Ze™ 200
- **Other means of identification:** No other identifiers
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Surface cleaning
- **Uses advised against:** No further relevant information available.
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
 Corrosion Innovations, LLC
 4020 Strawberry Road
 Pasadena, Texas 77504
 Phone: (713) 625-7531
 Email: jim@corrinnovations.com
 Website: www.corrinnovations.com
- **1.4 Emergency telephone number:**
 ChemTel
 (800)255-3924 (North America)
 +1 (813)248-0585 (International)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 Classifications listed are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).
 May form combustible dust concentrations in air. (USA and Canada GHS Only)
 Eye Dam. 1 H318 Causes serious eye damage.
 Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 STOT SE 3 H335 May cause respiratory irritation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
 The product is classified and labelled according to the Globally Harmonized System within the United States.
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**

 GHS05 GHS07 GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**
 Citric acid
 disodium peroxodisulphate

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Hazard statements

May form combustible dust concentrations in air. (USA and Canada GHS Only)

H318 Causes serious eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves / eye protection.

P284 [In case of inadequate ventilation] wear respiratory protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.

P362+P364 Take off contaminated clothing and wash it before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Read the label and safety data sheet before use. Prevent dust accumulations to minimize explosion hazard. Keep away from all ignition sources including heat, sparks and flame.

2.3 Other hazards

May form explosible dust-air mixture if dispersed.

There are no other hazards not otherwise classified that have been identified.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components:

CAS: 77-92-9 EINECS: 201-069-1 Reg.nr.: 01-2119457026-42-XXXX	Citric acid ⚠ Eye Irrit. 2, H319; STOT SE 3, H335	50-100%
CAS: 7775-27-1 EINECS: 231-892-1 Reg.nr.: 01-2119495975-15-XXXX	disodium peroxodisulphate ⚠ Ox. Sol. 3, H272 ⚠ Resp. Sens. 1, H334 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	2,5-10%
CAS: 7681-38-1 EINECS: 231-665-7	sodium hydrogensulphate ⚠ Eye Dam. 1, H318	2,5-10%

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Reg.nr.: 01-2119552465-36-XXXX

· **Additional information:** For the wording of the listed Hazard Statements refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **After inhalation:**

Supply fresh air and to be sure to call for a doctor.
Provide oxygen treatment if affected person has difficulty breathing.
In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately remove any clothing soiled by the product.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

· **After eye contact:**

Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

· 4.2 Most important symptoms and effects, both acute and delayed

Asthma attacks
Headache
Breathing difficulty
Allergic reactions
Cramp
Nausea
Slight irritant effect on skin and mucous membranes.
Irritating to eyes.
May cause respiratory irritation.

· **Hazards:**

Danger of impaired breathing.
Causes serious eye damage.

· 4.3 Indication of any immediate medical attention and special treatment needed

Contains disodium peroxodisulphate. May produce an allergic reaction.
Severe allergic skin reaction, bronchial spasms and anaphylactic shock are possible.
Treat skin and mucous membrane with antihistamine and corticoid preparations.
In cases of irritation to the lungs, initial treatment with cortical steroid inhalants.
Medical supervision for at least 48 hours.
If necessary oxygen respiration treatment.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray.
· **For safety reasons unsuitable extinguishing agents:** None.

· 5.2 Special hazards arising from the substance or mixture

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May pose a dust explosion hazard if dispersed in air. Avoid ignition sources. Do not smoke.

Formation of toxic gases is possible during heating or in case of fire.

· **5.3 Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

· **Additional information:** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

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

Isolate area and prevent access.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

· **6.2 Environmental precautions**

Avoid release to the environment.

Damp down dust with water spray.

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

Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Open and handle receptacle with care.

Prevent formation of dust.

Any unavoidable deposit of dust must be regularly removed.

Use only in well ventilated areas.

Avoid breathing dust.

· **Information about fire - and explosion protection:**

Protect from heat.

Dust can combine with air to form an explosive mixture.

Avoid dust cloud formation. Keep ignition sources away. No smoking.

Keep respiratory protective device available.

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

· **Requirements to be met by storerooms and receptacles:**

Avoid storage near extreme heat, ignition sources or open flame.

Storage area should be dry and well-ventilated.

Store in cool, dry conditions in well sealed receptacles.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from flammable substances.

· **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

7775-27-1 disodium peroxodisulphate

EL (Canada)	Long-term value: 0,1 mg/m ³ as persulfate
EV (Canada)	Long-term value: 0,1 mg/m ³
OEL (Ireland)	Long-term value: 0,1 mg/m ³ Sens
TLV (USA)	Long-term value: 0,1 mg/m ³ as persulfate

· **DNELs:** No further relevant information available.

· **PNECs:** No further relevant information available.

8.2 Exposure controls

· **Engineering measures** Provide adequate ventilation.

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid breathing dust.

Avoid contact with the eyes and skin.

Use only in well ventilated areas.

Respiratory protection:

Suitable respiratory protective device recommended.

Particulate mask should filter at least 99% of airborne particles.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Eye protection:



Safety glasses

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment:**

No further relevant information available.

· **Risk management measures:** No further relevant information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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· Appearance	
Form:	Powder
Colour:	White
· Odour:	Mild
· Odour threshold:	Not determined.
· pH-value:	~2,5 (in solution)
· Melting point/freezing point:	Not determined.
· Initial boiling point and boiling range:	Not determined.
· Flash point:	Not applicable.
· Flammability (solid, gas):	Not determined.
· Auto/Self-ignition temperature:	>93 °C (>199,4 °F)
· Decomposition temperature:	>66 °C (>150,8 °F)
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits	
Lower:	290 g/m ³ (dust)
Upper:	2290 g/m ³ (estimated)
· Oxidising properties	Contains oxidizing agent.
· Vapour pressure:	Not applicable.
· Density:	
Relative density:	~0,78
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
· Solubility in / Miscibility with water:	Soluble.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Reacts with strong alkali.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
Avoid extreme heat.
- **10.3 Possibility of hazardous reactions**
Reacts with alkali (lyes).
May form combustible dust concentrations in air.
Substance/product can reduce the ignition temperature of flammable substances.
- **10.4 Conditions to avoid**

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Take any precaution to avoid mixing with combustibles.

Prevent formation of dust.

· **10.5 Incompatible materials** Alkalis

· **10.6 Hazardous decomposition products**

Under fire conditions only:

Carbon monoxide and carbon dioxide

Sulphur oxides (SO_x)

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity:** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

77-92-9 Citric acid

Oral	LD50	5040 mg/kg (mouse)
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7775-27-1 disodium peroxodisulphate

Oral	LD50	742 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4h	>5,1 mg/l (rat)

· **Primary irritant effect**

· **Skin corrosion/irritation:** Slight irritant effect on skin and mucous membranes.

· **Serious eye damage/irritation:**

Causes serious eye damage.

· **Respiratory or skin sensitisation:**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

· **Probable routes of exposure:**

Ingestion.

Inhalation.

Eye contact.

Skin contact.

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Based on available data, the classification criteria are not met.

· **Reproductive toxicity:** Based on available data, the classification criteria are not met.

· **STOT-single exposure:**

May cause respiratory irritation.

· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· **12.1 Toxicity**

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- **Aquatic toxicity:** Generally not hazardous for water.
- **12.2 Persistence and degradability** Biodegradable
- **12.3 Bioaccumulative potential** Does not accumulate in organisms.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Independent environmental testing of this product has been performed to evaluate the environmental impact of product runoff. When thoroughly diluted with water, the environmental impact of product runoff is expected to be minimal.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Small amounts may be diluted with plenty of water and washed away. Dispose of larger amounts in accordance with Local Authority requirements.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|-----------------|
| · 14.1 UN-Number | |
| · DOT, ADR/RID/ADN, IMDG, IATA | Not Regulated |
| · 14.2 UN proper shipping name | |
| · DOT, ADR/RID/ADN, IMDG, IATA | Not Regulated |
| · 14.3 Transport hazard class(es) | |
| · DOT, ADR/RID/ADN, IMDG, IATA | |
| · Class | Not Regulated |
| · 14.4 Packing group | |
| · DOT, ADR/RID/ADN, IMDG, IATA | Not Regulated |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |

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SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- United States (USA)
- SARA

· Section 302 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed or exempt.

· Proposition 65 (California):

· Chemicals known to cause cancer:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· EPA (Environmental Protection Agency)

None of the ingredients are listed.

· IARC (International Agency for Research on Cancer)

None of the ingredients are listed.

· Canadian Domestic Substances List (DSL)

All ingredients are listed or exempt.

· Other regulations, limitations and prohibitive regulations

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients are listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

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H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulable, Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Ox. Sol. 3: Oxidizing solids – Category 3

Acute Tox. 4: Acute toxicity - oral – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Sources

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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