



Safety Data Sheet Age of Iron

SECTION 1: Identification

GHS Product identifier

Product name	Age of Iron
Product number	DCIR
Brand	Detail Co
UFI	J310-W0NN-V006-N1WU

Recommended use of the chemical and restrictions on use

An all in one Iron Remover and Wheel Cleaner! Age of Iron is designed to provide superior lubrication, for use with wheel brushes or clay towels. Used to safely remove heavy iron deposits. Use Neat.

Supplier's details

Name	Detail Co
Address	9040 Murphy Road Woodridge IL 60517 USA
Telephone	1-800-656-9259
email	info@thehouseof frags.com

Emergency phone number

Poison Control Center
1-800-222-1222

SECTION 2: Hazard identification

General hazard statement

KEEP OUT OF REACH OF CHILDREN. USE ONLY AS DIRECTED

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 3
- Acute toxicity, inhalation, Cat. 5
- Sensitization, respiratory, Cat. 1

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GHS label elements, including precautionary statements

Pictograms



Signal word

Warning

Hazard statement(s)

H316 Causes mild skin irritation
H318 Causes serious eye damage
H333 May be harmful if inhaled
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 Wear eye protection/face protection.
P284 [In case of inadequate ventilation] wear respiratory protection.
P304+P312 IF INHALED: Call a POISON CENTER/doctor/... if you feel unwell.
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/...
P332+P313 If skin irritation occurs: Get medical advice/attention.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
P501 Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Glycerine (CAS no.: 56-81-5) CLASSIFICATIONS: No data available. HAZARDS: No data available.	0.2 - 1 % (weight)
Fragrance (CAS no.: N/A) CLASSIFICATIONS: No data available. HAZARDS: No data available.	0.075 - 0.2 % (weight)
Preservative (CAS no.: N/A) CLASSIFICATIONS: No data available. HAZARDS: No data available.	0.001 - 0.05 % (weight)
Water (CAS no.: 7732-18-5) CLASSIFICATIONS: No data available. HAZARDS: No data available.	55 - 70 % (weight)
Trade Secret CLASSIFICATIONS: No data available. HAZARDS: No data available.	Not specified

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).
Any concentration shown as a range is due to batch variation.

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice Take off contaminated clothing and shoes immediately.

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If inhaled	Harmful if inhaled - Remove person to fresh air. If signs / symptoms persist, seek medical attention. Give Oxygen.
In case of skin contact	Wash off immediately with plenty of water for at least 15 minutes. If rash, redness, or swelling occur, seek medical attention.
In case of eye contact	Rinse thoroughly with water for 15 minutes. Consult a physician.
If swallowed	Rinse Mouth. If conscious, give the victim plenty of water to drink. In case of accident, or if you feel unwell, seek medical advice immediately. Do not induce vomiting without medical advice.

Most important symptoms/effects, acute and delayed

May cause sensitization by skin contact.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. There is no specific antidote available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Foam
Carbon Dioxide
Water Spray
Dry Chemical

Specific hazards arising from the chemical

Hazardous decomposition products formed under fire conditions.
Sulfur oxides
Carbon Dioxide
Carbon Monoxide

Special protective actions for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposition products may be a hazard to health.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Do not breathe spray mist. Recommended filter type: yellow
Avoid contact with skin, eyes, and clothing.
For personal protection, see section 8.
Ensure adequate ventilation, especially in confined areas.
Evacuate personnel to safe areas.
Keep people upwind of spill / leak.

Environmental precautions

DO not allow contact with soil, surface, or ground water.
If the product contaminates rivers and lakes or drains, inform respective authorities.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Treat recovered material as described in the section "Disposal considerations"

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SECTION 7: Handling and storage

Precautions for safe handling

Handle and open container with care.
Use only in areas with adequate ventilation.
Ensure that eyewash stations are close to workstation location.
Do not eat, drink, or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Store at room temperature in original container. Keep container tightly closed in a dry and well-ventilated area.

Specific end use(s)

Removing ferrous materials from paint surfaces

SECTION 8: Exposure controls/personal protection

Control parameters

1. Glycerine (CAS: 56-81-5)

REL [Glycerin (mist)- Respirable fraction] (Inhalation): See Appendix D; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Glycerin (mist)- Respirable fraction] (Inhalation): 5 mg/m³; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Glycerin (mist)- Respirable fraction] (Inhalation): 5 mg/m³; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL [Glycerin (mist)-Total dust] (Inhalation): See Appendix D; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Glycerin (mist)-Total dust] (Inhalation): 10 mg/m³; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Glycerin (mist)-Total dust] (Inhalation): 15 mg/m³; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

TWA [Glycerin mist] (Inhalation): 10 mg/m³; AU (AU/SWA)
Notes: (a)

TWA [Glycerol] (Inhalation): 5 mg/m³; US (US/OSHA)
USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminant

TWA [Glycerol] (Inhalation): 15 mg/m³; US (US/OSHA)
USA. Occupational Exposure Limits(OSHA) - Table Z-1 Limits for Air Contaminants

Appropriate engineering controls

Use only in area provided with appropriate exhaust ventilation

Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Wear eye/face protection
Safety glasses with side-shields

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Skin protection

Gloves required.

General recommendation: The usage time for protective gloves is approx. 50% of the breakthrough time measure in the laboratory, which is >480 min with a 0.6 - 0.8 mm butyl-rubber glove.

Body protection

Wear cold insulating gloves / face shield / eye protection / acid-resistant protective clothing

Personal Protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection

Ensure adequate ventilation, especially in confined areas.

If desired, use self-contained breathing apparatus with Yellow filter type.

Thermal hazards

N/A to the best of our knowledge

Control banding approach

N/A to the best of our knowledge

Environmental Exposure Controls

N/A to the best of our knowledge

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Translucent liquid
Odor	Chemical
Odor threshold	No Data Available
pH	6.5-7.5
Melting point/freezing point	No Data Available
Initial boiling point and boiling range	212 ° F
Flash point	N/A
Evaporation rate	No Data Available
Flammability (solid, gas)	N/A
Upper/lower flammability or explosive limits	No Data Available
Vapor pressure	No Data Available
Vapor density	No Data Available
Relative density	No Data Available
Solubility(ies)	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available

Additional properties

Physical state	Liquid
Color	Clear to milky, sometimes with a purple tint

SECTION 10: Stability and reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under recommended storage conditions.

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Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Temperatures greater than recommended storage temperature.
Strong sunlight for prolonged periods.

Incompatible materials

Strong bases, Strong oxidizing agents

Hazardous decomposition products

Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

2-Butoxyethanol

LD50 Oral - Rat - 880 mg/kg

Remarks: OECD Test Guideline 401

LD50 Skin - Rabbit - 1,060 mg/kg

Remarks: OECD Test Guideline 402

The ATE (gas inhalation) of the mixture is: 35000 ppmV

Serious eye damage/irritation

2-Butoxyethanol

LD50 Eyes - Rat - 880 mg/kg

Remarks: OECD Test Guideline 401

Respiratory or skin sensitization

2-Butoxyethanol

LD50 Skin - Rabbit - 1,060 mg/kg

Remarks: OECD Test Guideline 402

LC50 Inhalation - Rat - 450 ppm

Remarks: Behavioral: Ataxia. Nutritional and Gross Metabolic: Weight loss or decreased weight gain

SECTION 12: Ecological information

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Packaging disposal

Dispose of as unused product.

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Waste treatment

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Sewage disposal

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Other disposal recommendations

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

SECTION 14: Transport information

CORROSIVE LIQUID, TOXIC, N.O.S. (3-MERCAPTOPROPIONIC ACID)

UN Number: UN2922

Class: 1.4C

Packing Group: II

Proper Shipping Name: CORROSIVE LIQUID, TOXIC, N.O.S. (3-MERCAPTOPROPIONIC ACID)

Reportable quantity (RQ):

Marine pollutant: no

Poison inhalation hazard:

IMDG

UN Number: UN2922

Class: 1.4C

Packing Group: II

EMS Number:

Proper Shipping Name: CORROSIVE LIQUID, TOXIC, N.O.S. (3-MERCAPTOPROPIONIC ACID)

IATA

UN Number: UN2922

Class: 1.4C

Packing Group: II

Proper Shipping Name: CORROSIVE LIQUID, TOXIC, N.O.S. (3-MERCAPTOPROPIONIC ACID)

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: GLYCERINE MIST

CAS number: 56-81-5

New Jersey Right To Know Components

Common name: GLYCERIN

CAS number: 56-81-5

Pennsylvania Right To Know Components

Chemical name: 1,2,3-PROPANETRIOL

CAS number: 56-81-5

SARA 302 Components

No chemicals in this material [Glycerine] are subject to the reporting requirements of SARA Title III, Section 302.

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SARA 302 Components

No chemicals in this material [Water] are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Chronic Health Hazard for: Glycerine .

SARA 311/312 Hazards

No SARA Hazards for: Water.

SARA 313 Components

This material [Glycerine] 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.

SARA 313 Components

This material [Water] 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.

US EPA TSCA public inventory

Chemical name: Glycerine

CAS number: 56-81-5

US EPA TSCA public inventory

Chemical name: Water

CAS number: 7732-18-5

Canadian Domestic Substances List (DSL)

Chemical name: 1,2,3-Propanetriol

CAS number: 30918-77-5

Canadian Domestic Substances List (DSL)

Chemical name: 1,2,3-Propanetriol

CAS number: 56-81-5

Canadian Domestic Substances List (DSL)

Chemical name: Water

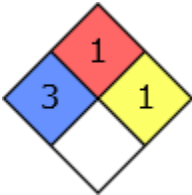
CAS number: 7732-18-5

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HMIS Rating

Age of Iron	
HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	E

NFPA Rating



SECTION 16: Other information

Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Detail Co. LLC be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Detail Co. LLC has been advised of the possibility of such damages.