

Safety Data Sheet

Hamron Concentrated washer fluid

Revision date: 09/08/2023

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

1.1. Product identifier

Trade name: Hamron Concentrated washer fluid

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Windshield cleaner.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Jula AB
Address: Box 363
Zip code: 532 24
City: Skara
Country: SWEDEN
E-mail: info@jula.se, info@jula.no, info@jula.pl, chem@jula.com
Phone: +46(0)511-24600
Homepage: www.jula.com

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Flam. Liq. 2;H225
Eye Irrit. 2;H319

Most serious harmful effects: Highly flammable liquid and vapour. Causes serious eye irritation.

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2.2. Label elements

Pictograms



Signal word: Danger

Hazard Statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental information

Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents. <5% Perfumes.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
ethanol	64-17-5 200-578-6 01-2119457610-43	75 - 90 %		Flam. Liq. 2;H225 Eye Irrit. 2;H319 C ≥ 50%: Eye Irrit. 2;H319
Water	7732-18-5 231-791-2	5 - 20 %		
ethanediol, ethylene glycol	107-21-1 203-473-3 01-2119456816-28	< 7 %		Acute Tox. 4;H302 STOT RE 2;H373
propan-2-ol	67-63-0 200-661-7 01-2119457558-25	< 5 %		Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336
ethyl methyl ketone (Butanone)	78-93-3 201-159-0 01-2119457290-43	< 2 %		Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336

Please see section 16 for the full text of H- / EUH-phrases.

Ingredient comments: Produktet indeholder denatureringsmiddel

SECTION 4: First aid measures

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4.1. Description of first aid measures

Inhalation:	Seek fresh air.
Ingestion:	Do not induce vomiting. Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin contact:	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
Eye contact:	Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
General:	When obtaining medical advice, show the safety data sheet or label.

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

May cause eye irritation. May cause headache, nausea, tiredness, dizziness and impaired reactions. Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking.

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

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Extinguish with powder, foam, carbon dioxide or water mist.
Unsuitable extinguishing media:	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Highly flammable
Product vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.
Can generate harmful flue gases containing carbon monoxide in the event of fire.

5.3. Advice for firefighters

Containers near fire must be moved and/or cooled with water. Use supplied air respirator if substance is involved in a fire. Send contaminated extinguishing water for destruction.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Provide good ventilation. Keep unnecessary personnel away. Keep away from ignition sources and ventilate the area. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. Wear respiratory protective equipment. Avoid contact with skin and eyes. Wear suitable protective clothing.
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6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Wipe up minor spills with a damp cloth. Rinse with water. Major spillage should be collected with suitable absorption agents and dumped or incinerated in accordance with relevant regulations.

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6.4. Reference to other sections

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

Provide good ventilation. Avoid heating and contact with ignition sources. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.
Avoid contact with skin and eyes. Do not eat, drink or smoke during work. Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Store safely and keep out of reach of children. Keep in tightly closed original packaging. Store in a dry, cool, well-ventilated area.

7.3. Specific end use(s)

No special uses in addition to identified uses in 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	fiber/cm ³	Remarks	Comments
ethanol	8h	1.000	1.920			
ethanol	15m					
ethanediol, ethylene glycol	15m	40	104			Sk
ethanediol, ethylene glycol	8h	20	52			Sk
propan-2-ol	15m	500	1250			
propan-2-ol	8h	400	999			
ethyl methyl ketone (Butanone)	8h	200	600			BMGV
ethyl methyl ketone (Butanone)	15m	300	899			BMGV

BMGV = Biological monitoring guidance value (listed in Table 2).

Sk = Can be absorbed through the skin.

PNEC

ethanol, cas-no 64-17-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	0,96 mg/l			
PNEC sediment (freshwater)	3,6 mg/kg			
PNEC aqua (marine water)	0,79 mg/l			
PNEC sediment (marine water)	2,9 mg/kg			
PNEC STP (wastewater-treatment facilities)	580 mg/l			
PNEC soil	0,63 mg/kg			

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DNEL - workers

ethanol, cas-no 64-17-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (acute/short-term exposure - local effects)	1900 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	343 mg/kg				
Inhalation DNEL (long-term exposure - systemic effects)	950 mg/m ³				

DNEL - general population

ethanol, cas-no 64-17-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	114 mg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	950 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	206 mg/kg				
Oral DNEL (long-term exposure - systemic effects)	87 mg/kg				

8.2. Exposure controls

Exposure controls: Provide good ventilation. Avoid contact with skin and eyes. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke when using this product.

Appropriate engineering controls: Running water and eye wash equipment should be available.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash.

Personal protective equipment, skin protection: Wear suitable protective clothing.

Personal protective equipment, hand protection: Use disposable gloves of butyl rubber.

Personal protective equipment, respiratory protection: In case of insufficient ventilation, wear respiratory protective equipment. Filter type: A.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

Heating hazards: Keep away from heat, sparks and open flame.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	Blue
Odour	Alcohol
Solubility	Soluble in the following: Organic solvents. Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	78 °C	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Flash Point	< 17 °C	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	7	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	
Density	810 - 820 kg/m ³	@ 20°C
Relative density	No data	
Vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
Explosive properties		Vapours may form explosive mixtures with air.
Oxidising properties		Non-oxidising.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions. However, the product may develop toxic fumes when heated.

10.3. Possibility of hazardous reactions

Keep away from heat, sparks and open flame. Risk of spark formation as a result of static electricity. Product vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

Avoid heat, sparks and open flame. Static electricity and formation or sparks must be prevented.

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10.5. Incompatible materials

Strong acids/ Strong oxidisers.
Strong alkalis/ Strong reducing agents.

10.6. Hazardous decomposition products

Exposure to high temperature may form unhealthy decomposition products. Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral:	Based on existing data, the classification criteria are deemed not to have been met. Ingestion may cause discomfort. Consumption of larger quantities can result in nausea, vomiting and stomach pains.
Acute toxicity - dermal:	Based on existing data, the classification criteria are deemed not to have been met.
Acute toxicity - inhalation:	Based on existing data, the classification criteria are deemed not to have been met.
Skin corrosion/irritation:	Based on existing data, the classification criteria are deemed not to have been met. Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking.
Serious eye damage/eye irritation:	Irritating to eyes. Causes a burning sensation and tearing.
Respiratory sensitisation or skin sensitisation:	Based on existing data, the classification criteria are deemed not to have been met.
Germ cell mutagenicity:	Based on existing data, the classification criteria are deemed not to have been met.
Carcinogenic properties:	Based on existing data, the classification criteria are deemed not to have been met.
Reproductive toxicity:	Based on existing data, the classification criteria are deemed not to have been met.
Single STOT exposure:	Based on existing data, the classification criteria are deemed not to have been met.
Repeated STOT exposure:	Based on existing data, the classification criteria are deemed not to have been met.
Aspiration hazard:	Based on existing data, the classification criteria are deemed not to have been met.

11.2. Information on other hazards

Endocrine disrupting properties:	Constituents have no endocrine-disrupting properties with respect to non-target organisms as they do not meet the criteria in Section B of Regulation (EU) 2017/2100.
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SECTION 12: Ecological information

12.1. Toxicity

Based on existing data, the classification criteria are deemed not to have been met.
Avoid discharge to drain or surface water.

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation expected.

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12.4. Mobility in soil

The product is miscible with water and is therefore mobile in soil and water.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

Constituents have no endocrine-disrupting properties with respect to non-target organisms as they do not meet the criteria in Section B of Regulation (EU) 2017/2100.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. Empty, cleansed packaging should be disposed of for recycling.

Category of waste: EWC code: Depends on line of business and use, for instance
16 01 14* antifreeze fluids containing hazardous substances
15 01 10* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	1170	14.4. Packing group:	II
14.2. UN proper shipping name:	ETHANOL SOLUTION	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Hazard identification number:	33	Tunnel restriction code:	D/E

Inland water ways transport (ADN)

14.1. UN number or ID number:	1170	14.4. Packing group:	II
14.2. UN proper shipping name:	ETHANOL SOLUTION	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Transport in tank vessels:			

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Sea transport (IMDG)

14.1. UN number or ID number:	1170	14.4. Packing group:	II
14.2. UN proper shipping name:	ETHANOL SOLUTION	14.5. Environmental hazards:	The product is not a Marine Pollutant (MP).
14.3. Transport hazard class(es):	3	Environmental Hazardous Substance Name(s):	
Hazard label(s):	3	IMDG Code segregation group:	- None -
EmS:	F-E, S-D		

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number or ID number:	1170	14.4. Packing group:	II
14.2. UN proper shipping name:	ETHANOL SOLUTION	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

Other Information: ADR tunnel restriction code: (D/E)
EmS: F-E S-D

SECTION 15: Regulatory information

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

Special Provisions: Regulation (EC) of the European Parliament and of the Council on detergents.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

Vendor notes: Changes have been made in sections: -

List of relevant H-statements

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.

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Country: GB