

Safety data sheet

SolidCitric
Prepared to Norwegian regulations

Version 1.0 - Effective date: 24-04-2014

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Trade name: SolidCitric

Product number: P01-Jupa

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

Product Use: For cleaning of subsea construction details.

Uses Advised Against: This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier.

1.3 Details of the Supplier of the safety data sheet

Company: Jupa AS
Randabergveien 300B
4070 Randaberg
Tlf.: +47 958 28 155

Contact: Endre Birkeland Endre@jupa.no

1.4 Emergency Telephone Number:

Norwegian emergency number:
Giftinformasjonen telephone number: +47 22 59 13 00

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture.
Classification according to No. 1272/2008 [CLP]
Eye Irrit. 2 // H319

2.2 Label Elements:

Symbol:



Signal words:
Warning

Hazard statements:
H319: Causes serious eye irritation

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

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2.3 Other Hazards

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1/2 Substance/Mixture

CAS-No.	EC-no	Name	Content %	Classification
5949-29-1	201-069-1	Citric acid monohydrate	>99 %	Xi; R36 Eye Irrit.2; H319

3.3 Additional Information:

See full text of H/R-phrases in chapter 16. Occupational limits are listed in section 8, if these are available.

SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Information:

Remove victim immediately from source of exposure. General first aid, rest, warmth and fresh air. Get medical attention if any discomfort continues.

Inhalation:

Not applicable.

Skin Contact:

Remove contaminated clothes and rinse skin thoroughly with water.

Eye Contact:

Rinse immediately with plenty of water for 15 minutes. Remove any contact lenses and open eyes wide apart. If irritation persists, get medical attention. Take this safety data sheet with you.

Ingestion:

Immediately rinse mouth, then drink plenty of water. Keep the person under surveillance. If person becomes uncomfortable seek hospital. Do not induce vomiting. Take this safety data sheet with you.

4.2 Most important symptoms and effects, both acute and delayed

No special immediate treatment required.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to doctor/physician: Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

Extinguishing Media: Water Fog, Dry Chemical, and Carbon Dioxide Foam. Do not use water jet as an extinguisher, as this will spread the fire.

Fire fighting:

Cool containers exposed to flames with water from the side until well after the fire is out.

5.2 Special hazards arising from the substance or mixture

Not flammable, but may burn at high temperatures.

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5.3 Advice for firefighters: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear appropriate protective clothing - see section 8.

6.2 Environmental Precautions:

Do not allow to enter drains, sewers or watercourses.

6.3 Methods and Material for Containment and Cleaning Up:

Small leaks: Sweep up carefully small leaks, use a vacuum cleaner. Rinse with plenty of water. Small leaks of solution: (>50 L) to be diluted with plenty of water, or taken up with absorbent. Large leaks: Alert the appropriate authorities if larger spills occur.

6.4 Reference to other sections:

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Material Safety Data Sheet.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Avoid contact with skin and eyes. Follow good chemical hygiene. A safety shower and eye wash facility should be available.

7.2 Conditions for safe storage, including any incompatibilities:

Store in cool, dry place in tightly closed containers. Incompatible with strong oxidizing agents & strong bases. Store in a cool (max 30°C), dry and well-ventilated area (max. 70 % relative air humidity). Keep away from sources of ignition.

7.3 Specific end use(s):

This product should only be used for applications described in Section 1.2

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Occupational Exposure Limits:

No substances with occupational exposure limits.

DNEL / PNEC

Data not available.

8.2 Exposure Controls

General Information:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. A safety shower and eye wash facility should be available.

Appropriate technical measures:

Take ordinary precautions when using the product.

Personal Protective

Only CE-marked personal protection equipment should be used.

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Equipment:

Respiratory Protection: In case of dust, wear dust mask with filter type P3.

Hand Protection: Use protective gloves, eg. Neoprene.

Eye Protection: Use safety goggles if there is a risk of eye exposure.

Body protection: Wear protective clothing as necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Solid	Odour: Odorless	Color: White	PH: 2,2	Viscosity: -
Flash point: 345 °C	Boiling point: -	Vapour pressure: -	Density g/cm ³ : 1.5 - 1.7 g/cm ³	Pour point: -
Ignition temperature: -	Auto-ignition temperature: -	Eksplosive limits vol %: -	Solubility in water: Miscible.	

9.2 Other Information:

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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: None under normal conditions.

10.2. Chemical stability: Stable under normal conditions.

10.3 Possibility of Hazardous Reactions:
None under normal conditions.

10.4 Conditions to Avoid: > 35 °C

10.5 Incompatible Materials: Strong acids, strong bases, strong oxidising agents, and strong catabolic agents.

10.6 Hazardous Decomposition Products:
In case of fire hazardous decomposition products may be produced such as irritating gases and vapours.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological effects

Acute toxicity: Citric acid monohydrate:
LD50 oral - 5400 mg/kg - mouse
LD50 dermal – 3000 mg/kg - rotte

Skin corrosion/irritation: Contact may cause redness and irritation. Especially in case of repeated or prolonged exposure.

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Serious eye damage/irritation:	Splashes/exposure of solution in the eyes may cause irritation and smarting.
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity - single exposure:	Not classified
Specific target organ toxicity – repeated exposure:	Not classified
Aspiration hazard:	Not classified
Additional Information:	Inhalation: May cause respiratory tract irritation. Ingestion: May cause burning sensation in the mouth or throat, and stomach pain.

SECTION 12. ECOLOGICAL INFORMATION

Not classified as hazardous for environment.

12.1. Toxicity: Citric acid monohydrate:
Fish - <760 mg/l – 96 h.
Algae – method EC0 – 640 mg/l – 168 h.

12.2. Persistence and degradability:
Biodegradable: 97%
Exposure time: 28 days
Method: OECD 301 B
Note: Readily biodegradable

12.3 Bioaccumulative Potential:
Does not bioaccumulate.

12.4 Mobility in Soil: Expected to be mobile in the aquatic environment.

12.5 Result of PBT and vPvB assesment:
Component(s) is not identified as PBT or vPvB substance(s).

12.6 Other Adverse Effects: **Do not flush into surface water or sanitary sewer system.**
Low toxic to aquatic organisms: Environmental data indicate that only larger local discharge may constitute a risk. Low toxicity to terrestrial mammals.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:
Dispose in a safe manner in accordance with local/national regulations.

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Contaminated packing: Contaminated packing should be handled in the same manner as the substance itself.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous of transport.

	ADR/RID	IMDG/IMO
14.1 UN Number	-	-
14.2 UN Proper Shipping name	-	-
14.3 Transport hazard class(es)	-	-
14.4 Packing group	-	-
14.5 Environmental hazards - MP	-	-
Other informations	-	-

14.6 Special precautions for user:

-

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

Not applicable.

SECTION 15. REGULATORY INFORMATION

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

This sds is prepared to Norwegian regulations:

Forskrift om klassifisering, merking og emballering av stoffer og stoffblandinger (CLP). EU-forordning 453/2010/EF (CLP), 1907/2006 (REACH), 1272/2008/EF, 790/2009/EF. Forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer. Forskrift om gjenvinning og behandling av avfall (avfallsforskriften). Transport av farlig gods: ADR/RID, IMDG, IATA/ICAO.

Other regulatory Information Authorisations and/or restrictions on use

Young people under 18 years old are not allowed to work with this product.

Additional information: None

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

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Full text of R-phrases as mentioned in section 3:

R36 Irritating to eyes

H319 Causes serious eye irritation

Additional Information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Validated by:

SRS

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