



SAFETY DATA SHEET

SOUR CONC FITMENT

Infosafe No.: LQ681
ISSUED Date : 28/07/2022
ISSUED by: JASOL AUSTRALIA

CLASSIFIED AS HAZARDOUS

Section 1 - Identification

Product Identifier

SOUR CONC FITMENT

Product Code

2066181

Company Name

JASOL AUSTRALIA

Address

41-45 Tarnard Drive Braeside
VIC 3195 AUSTRALIA

Telephone/Fax Number

Tel: 03 95805722

Fax: 03 95809902

Emergency Phone Number

1800 629953

Recommended use of the chemical and restrictions on use

Concentrated sour finishing agent for liquid laundry systems

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Acute toxicity: Category 5 - Inhalation

Acute toxicity: Category 5 - Oral

Eye damage/irritation: Category 1

Skin corrosion/irritation: Category 1B

Specific target organ toxicity (single exposure): Category 3 (Respiratory tract irritation)

Signal Word (s)

DANGER

Hazard Statement (s)

H303 May be harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H333 May be harmful if inhaled.

H335 May cause respiratory irritation.

Pictogram (s)

Corrosion, Exclamation mark



Precautionary Statement – Prevention

- P260 Do not breathe dusts or mists.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash contaminated skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement – Response

- P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- 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.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P321 Specific treatment (see first aid measures on this label).
- P363 Wash contaminated clothing before reuse.

Precautionary Statement – Storage

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

Precautionary Statement – Disposal

- P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
Formic acid	64-18-6	30-40 %
Other ingredients determined not to be hazardous	Not Required	Balance

Section 4 - First Aid Measures

Inhalation

If inhaled, remove affected person from contaminated area and keep at rest in a position comfortable for breathing. Seek medical attention. Apply artificial respiration if NOT breathing and immediately seek medical attention.

Ingestion

Immediately rinse mouth with water. Do NOT induce vomiting. Give a glass of water. Seek immediate medical attention.

Skin

If on skin (or hair) remove/take off all contaminated clothing immediately after handling. Wash skin gently and thoroughly with water and non-abrasive soap for 15 minutes. Seek immediate medical attention. Ensure contaminated clothing is washed before re-use or discard.

Eye

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses, if present and easy to do. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

First Aid Facilities

Eyewash, safety shower and normal washroom facilities.

Advice to Doctor

Treat symptomatically for acids.

Other Information

For advice in emergencies contact:

Poisons Information Centre (Australia): 131 126

National Poisons Centre (New Zealand): 0800 764 766

Section 5 - Firefighting Measures

Suitable Extinguishing Media

Fine water spray, foam and dry chemical.

Unsuitable Extinguishing Media

Coarse water spray.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or corrosive gases including carbon oxides.

Specific hazards arising from the chemical

This product is non combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.

Hazchem Code

•2X

Decomposition Temperature

No data available

Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

Section 6 - Accidental Release Measures

Emergency Procedures

Remove all sources of ignition. Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe mist/vapour.

Personal Protection

Wear personal protective equipment described in Section 8 to prevent exposure. Work up-wind to increase ventilation.

Clean-up Methods - Small Spillages

Wash area down with excess water.

Clean-up Methods - Large Spillages

Contain the spill and prevent run off into drains and waterways. Absorb the spillage using an inert material (eg. sand) and transfer to a properly labelled container for disposal.

Environmental Precautions

If large quantities enter drains or waterways advise local emergency services.

Section 7 - Handling and Storage

Precautions for Safe Handling

Wear personal protective equipment described in Section 8. Avoid skin and eye contact. Avoid breathing vapours. Use in designated areas with adequate ventilation. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Prevent the build up of mists or vapours in the work atmosphere. Keep containers sealed when not in use. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

Conditions for safe storage, including any incompatibilities

Corrosive liquid for storage and handling purposes. Protect from freezing. Keep tightly closed in a dry, cool, well-ventilated area, out of direct sunlight. Provide a catch-tank in a bunded area. Avoid sparks, flames and other ignition sources. Store away from incompatible materials listed in Section 10. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS 3780 - The storage and handling of corrosive substances.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values

No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Formic acid (CAS: 64-18-6):

TWA: 5 ppm, 9.4 mg/m³

STEL: 10 ppm, 19 mg/m³

TWA: Time Weighted Average. The maximum average airborne concentration of a substance when calculated over an eight-hour working day, for a five-day working week. (Safe Work Australia 2018).

STEL: Short Term Exposure Limit. The time-weighted average maximum airborne concentration of a substance calculated over a 15 minute period. (Safe Work Australia 2018).

Biological Monitoring

No biological limits allocated.

Engineering Controls

Ensure sufficient ventilation to keep concentrations of contaminants in the air below occupation exposure limits. If engineering controls are insufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved air supplied respirator should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye and Face Protection

Safety glasses with full face shield should be used. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material such as butyl rubber. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Personal Protective Equipment

Note: Final selection of Personal Protective Equipment is dependent on a detailed risk assessment, taking into consideration the work situation, handling methods and environmental factors.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Liquid	Appearance	Yellow mobile liquid, characteristic odour.
Colour	Yellow	Odour	Pungent
Melting/Freezing Point	No data available	Boiling Point	No data available
Decomposition Temperature	No data available	Solubility in Water	Soluble
Specific Gravity	1.07 at 20°C	pH	0.7-1.7
Vapour Pressure	No data available	Relative Vapour Density (Air=1)	No data available
Evaporation Rate	No data available	Odour Threshold	No data available
Viscosity	No data available	Partition Coefficient: n-octanol/water (log value)	No data available
Flash Point	No data available	Flammability	Not combustible
Auto-Ignition Temperature	No data available	Flammable Limits - Lower	No data available
Flammable Limits - Upper	No data available	Initial boiling point and boiling range	No data available
Relative Density	No data available		

Section 10 - Stability and Reactivity

Reactivity

Corrosive to most metals. Reacts violently with incompatible materials.

Chemical Stability

Stable under normal conditions of storage and handling.

Possibility of hazardous reactions

Contact with metals may produce hydrogen gas which is flammable. If splashing occurs rinse with water and wipe clean. Do not mix with bleaches, inorganic acids, alkalis or other cleaning solutions.

Conditions to Avoid

Heat, open flames and other sources of ignition.

Incompatible Materials

Strong oxidising agents, strong alkalis and strong inorganic acids including nitric acid.

Hazardous Decomposition Products

Reaction with nitric acid will release carbon and nitrogen oxides.

Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information

Toxicology Information

Acute toxicity estimate for this material:

LD50(oral): 2025.75mg/Kg (Derived using GHS formula for Acute Toxicity Estimate of mixtures, Chapter 3.1).

LD50(inhalation): 20.54mg/L (Derived using GHS formula for Acute Toxicity Estimate of mixtures, Chapter 3.1).

Toxicity data for ingredients is given below.

Acute Toxicity - Oral

Formic acid (CAS: 64-18-6):

LD50(rat): 730mg/Kg

Acute Toxicity - Inhalation

Formic acid (CAS: 64-18-6):
LC50(rat): 7.5mg/L (vapour)

Ingestion

May be harmful if swallowed. Ingestion of this product can cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

Inhalation

Inhalation will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema.

Skin

Causes burns. Corrosive to the skin. Skin contact can cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.

Eye

Causes eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

Respiratory Sensitisation

Not expected to be a respiratory sensitiser.

Skin Sensitisation

Not expected to be a skin sensitiser.

Germ Cell Mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

Not considered to be a carcinogenic hazard.

Reproductive Toxicity

Not considered to be toxic to reproduction.

STOT - Single Exposure

May cause respiratory irritation.

STOT - Repeated Exposure

Not expected to cause toxicity to a specific target organ.

Aspiration Hazard

Not expected to be an aspiration hazard.

Other Information

LD50: Lethal Dose 50%: The dose (when given all at once) of a toxic agent sufficient to kill 50 percent of a population of test animals (Safe Work Australia).

LC50: Lethal Concentration 50%: The concentration (in air or water) of a toxic agent sufficient to kill 50 percent of a population of test animals (Safe Work Australia).

Section 12 - Ecological Information

Ecotoxicity

No ecotoxicity data available for this material.

Persistence and degradability

This material is biodegradable.

Mobility

No data available.

Bioaccumulative Potential

No data available.

Other Adverse Effects

No data available.

Environmental Protection

Prevent large amounts from entering waterways, drains and sewers.

Section 13 - Disposal Considerations

Disposal Considerations

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

Section 14 - Transport Information

Transport Information

This material is classified as a Class 8 Corrosive Substances Dangerous Goods

Class 8 Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1: Explosives
- Division 4.3: Dangerous when wet Substances
- Division 5.1: Oxidising substances
- Division 5.2: Organic peroxides
- Class 6, Toxic or Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids

Class 7: Radioactive materials unless specifically exempted

and are incompatible with food and food packaging in any quantity.

Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong.

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Class/Division: 8

UN No: 3412

Proper Shipping Name: FORMIC ACID with not less than 10% but not more than 85% acid by mass(Contains: Formic acid)

Packing Group: II

EMS : F-A, S-B

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Class/Division: 8

UN No: 3412

Proper Shipping Name: FORMIC ACID with not less than 10% but not more than 85% acid by mass(Contains: Formic acid)

Packing Group: II

ADG U.N. Number

3412

ADG Proper Shipping Name

FORMIC ACID with not less than 10% but not more than 85% acid by mass(Contains: Formic acid)

ADG Transport Hazard Class

8

ADG Packing Group

II

Hazchem Code

•2X

IERG Number

36

Special Precautions for User

Not available

IMDG Marine pollutant

No

Transport in Bulk

Not available

Section 15 - Regulatory Information

Regulatory Information

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS 5th edition) including Work, Health and Safety regulations, Australia.

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP 23).

Poisons Schedule

S5

Section 16 - Any Other Relevant Information

Date of Preparation

SDS Reviewed: July 2022

SDS Revised: Feb 2020

SDS created: May 2016 (superseded)

Literature References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP 23).

Australian Code for the Transport of Dangerous Goods by Road & Rail (edition 7.5).

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Governmental Industrial Hygienists (ACGIH).

Globally Harmonized System of classification and labelling of chemicals (edition 5).

Raw Material Supplier SDS

Contact Person/Point

The company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.

24-Hour Emergency Telephone: AUS: 1800 629 953 NZ: Poisons 0800 764 766, Spills 111 FIRE.

END OF SDS

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