

Safety Data Sheet



Non-Hazardous Substance, Non-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: Instant Cold Pack

Recommended use: Cold compress

Supplier: Brady Australia Pty Ltd.

ABN: 28 000 788 447

Street Address: 2 Bellevue Circuit
Greystanes NSW 2145

Telephone: 1800 113 896

Emergency Telephone number: 1300 362 327

2. HAZARDS IDENTIFICATION

This material is non-hazardous according to the criteria of Safe Work Australia and the Globally Harmonized System of Classification and Labelling of Chemicals (the GHS).

This safety data sheet applies to the product after activation, which comprises a 50% solution of urea in water. Prior to activation, the components of this product are physically separate. These components are themselves non-hazardous and are not classified as dangerous goods. Some reference to the individual components is made in this document in cases where one component may pose a separate hazard.

Signal Word

None

Hazard Classifications

None

Hazard Statements

None

Precautionary Statements

None

Poison Schedule: Not Applicable

DANGEROUS GOOD CLASSIFICATION: Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS No.	PROPORTION (% w/w)
Urea (synonym: Carbamide)	57-13-6	50 %
Water	7732-18-5	Balance to 100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Safety Data Sheet



Inhalation: Remove victim from exposure - avoid becoming a casualty. If not breathing, administer cardiopulmonary resuscitation (CPR).

Skin Contact: This product is not classified as a skin irritant or sensitiser, and nor are its components. Wash product off skin and hair with water. Get medical attention if irritation occurs.

Eye contact: This product is not classified as an eye irritant, and nor are its components. If in eyes, flush the eyes continuously with running water. Get medical attention if eye irritation occurs.

Ingestion: This product is not classified as harmful by ingestion, and nor are its components. However, excessive ingestion may cause nausea and vomiting. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Get medical attention if gastrointestinal symptoms occur.

PPE for First Aiders: No specific PPE is recommended for handling this product.

Notes to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code: Not applicable.

Suitable extinguishing media: If material is involved in a fire use water, foam or dry agent (carbon dioxide, dry chemical powder).

Specific hazards: If fire results in evaporation of a substantial proportion of the water, then the residue of urea may decompose and emit oxides of carbon and nitrogen.

Fire fighting further advice: On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if there exists a risk of exposure to products of combustion or decomposition.
Fire extinguishing water should be prevented from entering waterways.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

Dangerous Goods - Initial Emergency Response Guide No: None

7. HANDLING AND STORAGE

Handling: Avoid eye contact and skin contact.

Storage: Keep containers closed when not in use. Be aware of storage incompatibilities that are listed in Section 10.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

This product contains no substances for which Safe Work Australia has published an occupational exposure limit.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

Safety Data Sheet



STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These standard were created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: No specific engineering measures are required.

Personal Protection Equipment:

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

When handling individual packages of the product no personal protection equipment is required.

If repeated handling of the product may result in exposure by skin contact or eye contact, then gloves and safety glasses are recommended. Nitrile is known to be a suitable material for glove construction and gloves of a thickness of 0.11 mm are recommended for this purpose.

Hygiene measures: Keep away from food, drink and animal feedstuffs..

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Gel
Colour: White
Odour: Odourless

Solubility: Dispersible in water
Density: 1.14 kg/L

Relative Vapour Density (air=1): N Av
Vapour Pressure (20 °C): N Av
Flash Point (°C): Not flammable
Flammability Limits (%): N Av
Autoignition Temperature (°C): N Av
Melting Point/Range (°C): < 15°C (urea component decomposes at 133-135°C before melting)
Boiling Point/Range (°C): N Av
pH: 6 to 9
Viscosity: N Av
Total VOC (g/Litre): N Av

(Typical values only - consult specification sheet)
N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperatures.

Incompatible materials: A number of substances may react undergo hazardous reactions with urea- see "Hazardous reactions" below.

Hazardous decomposition products: No hazardous decomposition is expected except at extreme temperatures.

Hazardous reactions: A number of substances may react undergo hazardous reactions with urea, which is a major component of this product. These include chlorites, chlorates, perchlorates, chromates, dichromates and

Safety Data Sheet



other strong oxidising agents; some chlorinated solvents; ammonium nitrate; sodium and calcium hypochlorites; chlorine gas; phosphorus pentachloride; nitro compounds. This list may not be comprehensive and the SDS of any chemical substance not listed here should be checked before being stored in close proximity to this product to check for potential incompatibilities.

Note: hazardous reactions may be more severe when the above reactions apply to the dry urea component of the mixture.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. The advice in this section would apply equally to the dry urea component of the mixture.

Symptoms or effects that may arise if the product is mishandled and if overexposure occurs are:

Acute Effects

Inhalation: Not an inhalation hazard.

Skin contact: Not a skin irritant.

Ingestion: Swallowing of excessive amounts may result in nausea and vomiting.

Eye contact: Not an eye irritant.

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist or LC50 > 20,000 ppm for gas

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

Corrosion/Irritancy: Eye: this material has not been classified as either an eye irritant or a skin irritant.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as a non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as a non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as not being acutely toxic to the environment. Acute aquatic toxicity estimate (based on ingredients): > 1000 mg/L

Safety Data Sheet



Long-term aquatic hazard: This material has been classified not being chronically toxic to the environment. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available, Acute toxicity estimate (based on ingredients): > 1000 mg/L.

Ecotoxicity: No information available.

Persistence and degradability: Urea is considered to be readily biodegradable.

Bioaccumulative potential: Urea is considered to have a very low bioaccumulative potential.

Octanol/water partition coefficient of dry urea component (as log Pow): -3.00/-1.54

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Reason for issue: Revised

This Safety Data Sheet has been prepared by CETEC Pty Ltd on behalf of its client.

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

Safety Data Sheet



This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.