



MATERIAL SAFETY DATA SHEET INSTANT ICE PACKS

1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Manufacturer Company:** Intco Medical (HK) Co. Limited,
1.2 Manufacturer Address: Unit 04, 7/F Bright Way Tower, No.33 Mong Kok Road, Kowloon, Hong Kong.
1.3 Manufacturer Emergency Phone Number: +86 0511 83174088
1.4 EC Company: Mednet GMBH,
1.5 EC Address: Borkstrasse 10, 48163 Münster, Germany, DIMDI No. DE0000012115.
1.6 GHS Product Identifier: Cold pack.
1.7 Recommended use: To control and alleviate the pain caused by strain, bruise, pull and burn; can also alleviate the discomfort induced by fever, headache, toothache and mosquito bites.
1.8 Restrictions on use: Anesthetic skin; cold allergy/cold-induced urticaria; cold-induced myocardial ischemia (or other unstable heart or lung disease); diabetes mellitus (when complicated by byvascular disease or sensory loss); peripheral vascular disease; Raynard's phenomenon; systemic lupus erythematosus; uncovered open wounds.

2. HAZARD IDENTIFICATION

- 2.1 GHS Classification:** This chemical is not considered hazardous by the UN GHS (the 6th revised edition).
2.2 GHS Label Elements:
2.2.1 Signal word: N/A
2.2.2 Hazard class: N/A
2.2.3 Hazard pictograms: N/A
2.2.4 Hazard statements: N/A
2.2.5 Precautionary Statements - Prevention and Response: N/A
2.2.6 Storage: N/A
2.2.7 Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations (to be specified).
2.3 Other hazards which do not result in classification: N/A

3. INFORMATION ON INGREDIENTS

Component	CAS No.	Weight (%)	ACGIH TLV		OSHA	
			TWA	STEL	PEL	STEL
Urea	57-13-6	40-60	5mg/m ³	10mg/m ³	N/Av	N/Av
Water	7732-18-5	40-60	N/Av	N/Av	N/Av	N/Av

4. FIRST AID MEASURES

4.1 Description of necessary first aid measures

4.1.1 General Advice: Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

4.1.2 Inhalation: Supply fresh air; consult doctor in case of complaints.

4.1.3 Skin Contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

4.1.4 Eye Contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

4.1.5 Ingestion: Rinse out mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist, consult a doctor.

4.1.6 Protection of first aid: None.

4.2 Most important symptoms/effect, acute and delayed:

See Section 11.

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

4.3.1 Note to Physicians: Treat symptomatically.

4.3.2 Specific treatments: No further relevant information available.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

5.1.1 Suitable extinguishing media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.1.2 Unsuitable extinguishing media: No further relevant information available.

5.2 Specific hazards arising from the mixture: No further relevant information available.

5.3 Special protective equipment and precautions for fire fighters:

5.3.1 Special protective equipment: No further relevant information available.

5.3.2 Special protective precautions: Fight fires from a safe distance. Evacuate personnel to safe area. Water spray may be useful in cooling equipment exposed to heat and flame.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

- Ensure adequate ventilation.
- Use respiratory protective device against the effects of fumes/dust/aerosol.
- Avoid contact with eyes.

6.2 Environmental precautions:

- Dilute with plenty of water.
- Do not allow to enter sewers/surface or ground water.

6.3 Methods and materials for containment and cleaning up:

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections:

- See Section 7 for information on safe handling.

- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

7.1.1 Handling:

- Keep receptacles tightly sealed.
- Keep away from heat and direct sunlight.
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- Avoid contact with eyes.

7.1.2 Information about fire and explosion protection: Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles:

- Store in a cool location.
- Store in cool, dry conditions in well sealed receptacles.
- Store away from foodstuffs.
- Store away from oxidising agents.

7.3 Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROL/PPE

Additional information about design of technical facilities: No further data - see Item 7.

8.1 Engineering Controls: Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.

8.2 Appropriate Engineering Controls: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.3 Personal Protective Equipment:

8.3.1 Eye/Face Protection: Safety glasses.

8.3.2 Skin Protection: Wear appropriate protective clothing, and gloves to prevent skin contact. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

8.3.3 Respiratory Protection: Suitable respiratory protective device recommended.

8.3.4 Other Protection: Use good hygiene practices when handling this material, including changing and laundering work clothing after use. Have a safety shower or eye-wash fountain available. Wash hands thoroughly after handling material. Do not eat, drink, or smoke in work areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance (physical state, colour, etc): White solid.

9.2 Odour: Odourless.

9.3 Odour threshold: No information found.

9.4 pH: No information found.

9.5 Melting point/freezing point: 123.7°C (270.9°F)

- 9.6 **Initial boiling point and boiling range:** No information found.
- 9.7 **Flash point:** No information found.
- 9.8 **Evaporation rate:** No information found.
- 9.9 **Flammability (solid, gas):** No information found.
- 9.10 **Upper/lower flammability or explosive limits:** No information found.
- 9.11 **Vapour pressure:** No information found.
- 9.12 **Vapour density:** 2.07 (Air=1)
- 9.13 **Relative density:** No information found.
- 9.14 **Solubility (ies):** Easily soluble in cold water, hot water.
- 9.15 **Partition coefficient - n-octanol/water:** No information found.
- 9.16 **Auto-ignition temperature:** No information found.
- 9.17 **Decomposition temperature:** No information found.
- 9.18 **Viscosity:** No information found.

10. STABILITY AND REACTIVITY

- 10.1 **Reactivity:** No decomposition if used according to specifications.
- 10.2 **Chemical Stability:** Stable under recommended storage conditions.
- 10.3 **Possibility of Hazardous Reactions:**
Hazardous Polymerisation: Not expected under prescribed storage and handling conditions.
- 10.4 **Conditions to Avoid:** Incompatible materials, dust generation.
- 10.5 **Incompatible Materials:** No further relevant information available.
- 10.6 **Hazardous Decomposition Products:** No dangerous decomposition products known.
- 10.7 **Incompatibilities with Other Materials:** No further relevant information available.

11. TOXOLOGICAL INFORMATION

11.1 **Acute Toxicity:** There is no available data for the product itself, only for the ingredients. Refer to Section 2 for individual ingredient LD50's and LC50's.

Ingredients	CAS No.	LC50	LD50	
		Inh. rat	oral	dermal
Urea	57-13-6	N/A	8741mg/kg	N/A
Water	7732-18-5	N/A	N/A	N/A

11.2 **Carcinogenic Status:** No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

11.3 Other Information:

- 11.3.1 **Skin corrosion/irritation:** Irritating effect possible.
- 11.3.2 **Serious eye damage/irritation:** Irritating effect possible.
- 11.3.3 **Skin or skin sensitisation:** Sensitisation possible.
- 11.3.4 **Germ cell mutagenicity:** No information found.
- 11.3.5 **Reproductive toxicity:** No information found.
- 11.3.6 **STOT-single exposure:** No information found.
- 11.3.7 **STOT-repeated exposure:** No information found.
- 11.3.8 **Aspiration hazard:** No information found.

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity - Acute/Chronic Toxicity: Not available.
- 12.2 Persistence and degradability: Not available.
- 12.3 Bioaccumulation: No further relevant information available.
- 12.4 Mobility in Soil: Not available.
- 12.5 Other adverse effects: Not available.

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods recommendation: Smaller quantities can be disposed of with household waster.
- 13.2 Contaminated packaging recommendation: Disposal must be made according to official regulations.
- 13.3 Disposal recommendation: Refer to Section 13.1 and 13.2.

14. TRANSPORT INFORMATION

- 14.1 UN Number (TDG, ADR, IMDG, IATA): Not applicable.
- 14.2 UN proper shipping name (TDG, ADR, IMDG, IATA): Not applicable.
- 14.3 Transport hazard class (TDG, ADR, IMDG, IATA): Non-hazardous for transport.
- 14.4 Packing group (TDG, ADR, IMDG, IATA): Not applicable.
- 14.5 Environmental Hazards (Marine pollutant): Refer to section 12.1.
- 14.6 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
- 14.7 Special precautions for user: Not applicable.

15. REGULATORY INFORMATION

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS
Urea	Listed	Listed	Not listed	Listed	Listed	Listed	Listed	Listed

【EINECS】 European Inventory of Existing Commercial Chemical Substances

【TSCA】 United States Toxic Substances Control Act Inventory

【DSL】 Canadian Domestic Substances List

【IECSC】 China Inventory of Existing Chemical Substances

【NZIoC】 New Zealand Inventory of Chemicals

【PICCS】 Philippines Inventory of Chemicals and Chemical Substances

【KECI】 Existing and Evaluated Chemical Substances

【AICS】 Australia Inventory of Chemical Substances

16. OTHER INFORMATION

16.1 Reference:

[1] IPCS: The International Chemical Safety Cards (ICSC), website:

<http://www.ilo.org/dyn/icsc/showcard.home>.

[2] IARC, website:

<http://www.iarc.fr/>.

[3] OECD: The Global Portal to Information on Chemical Substances, website:
http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en.

[4] CAMEO Chemicals, website:
<http://cameochemicals.noaa.gov/search/simple>.

[5] NLM:ChemIDplus, website:
<http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.

[6] EPA: Integrated Risk Information System, website:
<http://cfpub.epa.gov/iris/>.

[7] U.S. Department of Transportation: ERG, website:
<http://www.phmsa.dot.gov/hazmat/library/erg>.

[8] Germany GESTIS-database on hazard substance, website:
<http://gestis-en.itrust.de/>.

16.2 Abbreviations and acronyms:

UN GHS: United Nations Globally Harmonized System of Classification and Labeling of Chemicals.

ACGIH: American Conference of Governmental Industrial Hygienists.

CAS: Chemical Abstracts Service.

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980.

DOT: Department of Transportation.

DSL: The Domestic Substances List of Canada.

EC: European Commission.

EPA: Environmental Protection Agency.

HMIS: Hazardous Substances Data Bank.

IARC: International Agency for Research on Cancer.

Inh: Inhalation.

IATA: International Air Transport Association.

LC: Lethal Concentration.

LD50: Lethal dose, 50 percent kill.

MA: Massachusetts.

MAC: Maximum allowable concentration

MSHA: Mine Safety and Health Administration.

N/A: Not Applicable.

N/Av: Not Available.

NFPA: National Fire Protection Association.

NIOSH: US National Institute for Occupational Safety and Health.

NTP: US National Toxicology Program.

OSHA: US Occupational Safety and Health.

PA: Pennsylvania.

PEL: Permissible Exposure Limit.

RCRA: Resource Conservation and Recovery Act.

RI: Rhode Island.

RTECS: Registry of Toxic Effects of Chemical Substance.

SARA: Superfund Amendments and Reauthorization Act.

16.3 Information on revision:

16.3.1 Issue Time: 2017-02-13

16.3.2 Issue Department: Technical department

16.4 Disclaimer: This Safety Data Sheet (SDS) was prepared according to UN GHS (the 6th revised edition-2015). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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