

Safety Data Sheet

COLD PACK

Version : V2023-1
Creation Date : 2023/05/8
Revision Date : 2023/05/8

*Prepared according to EU regulation No. 2020/878



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

Product identifier

Product Name	COLD PACK
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	-
UFI	Q200-U0CW-500X-Q2VS

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

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

Details of the supplier of the Safety Data Sheet

Manufacture Name	Jiangsu Intco Medical Products Co., Ltd.
Manufacture Address	298 Yandun Shan Road, New District, Zhenjiang City, Jiangsu Province, China
Manufacture Post Code	212132
Manufacture Telephone	+86-511-83174037
Manufacture Fax	+86-511-83174188
Manufacture E-mail	liuchangtao@intco.com
Supplier Name	Jiangsu Intco Medical Products Co., Ltd.
Supplier Address	298 Yandun Shan Road, New District, Zhenjiang City, Jiangsu Province, China
Supplier Post Code	212132
Supplier Telephone	+86-511-83174037
Supplier Fax	+86-511-83174188
Supplier E-mail	liuchangtao@intco.com

Emergency telephone number

Emergency telephone number	+49-(0)551-19240
Opening hours	GIZ Nord. 24h

2 Hazards identification

CLP classification according to Regulation (EC) No. 1272/2008

According to Regulation (EC) No 1272/2008 and its amendments. Not classified as a dangerous substance.

GHS Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

| Hazard statements

Hazard statements	Not applicable
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| Precautionary statements

◆ Prevention

Prevention	Not applicable
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◆ Response

Response	Not applicable
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◆ Storage

Storage	Not applicable
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◆ Disposal

Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations (to be specified).
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| Other hazards

◆ Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Water	Not available
Urea	Not available

◆ Results of endocrine disrupting properties assessment

Component	Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]
Water	Not available
Urea	Not available

◆ Other

	Not applicable.
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3 Composition/information on ingredients

Substance/mixture	Mixture
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Component	Weight % content (or range)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific Conc. Limits, M-factors
Urea CAS: 57-13-6 EC: 200-315-5 Index No. : -	30-70	Not Classified	-
Water CAS : 7732-18-5 EC : 231-791-2 Index No. : -	30-70	Not Classified	-

4 First-aid measures

Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin contact	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues consult a doctor.
Ingestion	Rinse out mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist consult doctor.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen and consult a physician immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms/effects, acute and delayed

- 1 Please see section 11.

Indication of any immediate medical attention and special treatment needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing media	CO2 , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
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Unsuitable extinguishing media	Not applicable.
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Specific hazards arising from the substance or mixture

- 1 Development of hazardous combustion gases or vapor possible in the event of fire.
- 2 Not considered a significant fire risk, however containers may burn.

Advice for firefighters

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

- 1 Ensure adequate ventilation. Remove all sources of ignition.
- 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 3 Use personal protective equipment, do not breathe dust/fume.

Environmental precautions

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

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

7 Handling and storage

Precautions for safe handling

◆ Protective measures

1 Handling is performed in a well ventilated place.

2 Avoid contact with eyes.

◆ Measures to prevent fire

1 Keep away from heat/sparks/open flames/ hot surfaces.

◆ Measures to prevent aerosol and dust generation

1 Avoid formation of dust and aerosols.

2 Provide appropriate exhaust ventilation at places where dust is formed.

◆ Advice on general occupational hygiene

1 Wash hands and face after using of the substances.

2 Replace the contaminated clothing immediately.

Conditions for safe storage, including any incompatibilities

1 Keep containers tightly closed.

2 Keep containers in a dry, cool and well-ventilated place.

3 Keep away from heat/sparks/open flames/hot surfaces.

4 Store away from incompatible materials and foodstuff containers.

5 Store away from oxidizing agents.

Specific end use(s)

1 No further relevant information available.

8 Exposure controls/personal protection

Control parameters

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Urea	Latvia	-	10	-	-

◆ Biological limit values

1 Biological limit values No relevant regulations

◆ Monitoring methods

1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

2 GBZ/T 300 series standard Determination of toxic substances in workplace air.

◆ Derived No effect level (DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Urea	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Water	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

◆ Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	No information available
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Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Set up emergency exit and necessary risk-elimination area.
4	Handle in accordance with good industrial hygiene and safety practice.

Personal protection equipment

General requirement	No special requirements, please see the description below.
Eye protection	Goggles should be worn to prevent the irritation to eyes.
Hand protection	Handle with gloves. Gloves must be inspected prior to use.
Respiratory protection	An appropriate respirator or mask should be used whenever workplace conditions warrant a respirator's use. A full face positive pressure supplied-air respirator or a self contained breathing apparatus should be used when large spilled or fire.
Skin and body protection	Wear appropriate protective clothing, and gloves to prevent skin contact.

9 Physical and chemical properties and safety characteristics

Physical and chemical properties

Physical state	Colorless transparent liquid and solid particles
Colour	White particles
Odor	Slight odor
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	132.7°C (270.9°F)
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup,°C)	Not applicable
Evaporation rate	Not applicable
Flammability	Not flammable

Upper/lower explosive limits[%(v/v)]	Upper limit : No information available ; Lower limit : No information available
Vapor pressure	Not applicable
Vapor density(Air = 1)	2.07(Air=1)
Relative density(Water=1)	No information available
Solubility	Easily soluble in cold water, hot water
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Kinematic viscosity(mm ² /s)	Not applicable
Explosive properties	No information available
Oxidizing properties	No information available
Particle characteristics	No information available

10 Stability and reactivity

Stability and reactivity

Reactivity	No decomposition if used according to specifications.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	Not expected under prescribed storage and handling conditions.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	No further relevant information available.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation)
Urea	> 8,471 mg/kg(Rat)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Urea	Not Listed	Not Listed
Water	Not Listed	Not Listed

Endocrine disrupting properties

Component	Endocrine disrupting properties
Urea	Not available
Water	Not available

Others

COLD PACK

Skin corrosion/irritation	Irritating effect possible
Serious eye damage/irritation	Irritating effect possible
Skin sensitization	Sensitization possible
Respiratory sensitization	No information found
Reproductive toxicity	No information found
STOT-single exposure	No information found
STOT-repeated exposure	No information found
Aspiration hazard	No information found
Germ cell mutagenicity	No information found
Reproductive toxicity(additional)	No information found

12 Ecological information

Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
Urea	No information available	No information available	ECx:10,000 mg/l-8d (Green algae)

Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
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Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Water	Low	Low
Urea	No information available	No information available

Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Water	Low	Log Kow=-1.38
Urea	No information available	No information available

Mobility in soil

Component	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
Water	Low	14.3
Urea	No information available	No information available

Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Urea	Not available
Water	Not available

Endocrine disrupting properties

Component	Endocrine disrupting properties
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Urea	Not available
Water	Not available

13 Disposal considerations

Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

14 Transport information

Label

Transporting Label	Not applicable
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IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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ICAO/IATA-DGR

IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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15 Regulatory information

International chemical inventory

Component	EC inventory	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIICS	ENCS
Urea	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water	✓	✓	✓	✓	✓	✓	✓	✓	✓

[EC inventory] 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] Korea Existing Chemicals Inventory

[AIICS] Australian Inventory of Industrial Chemical (AIICS)

[ENCS] Japan Inventory of Existing & New Chemical Substances

European chemical inventory

Component	A	B	C	D	E	F	G
Urea	✗	✗	✗	✓	✓	✗	✗
Water	✗	✗	✗	✓	✗	✗	✗

[A] Candidate list of Substances of Very High Concern for authorization under EU REACH regulation

[B] Substances requiring authorisation under EU REACH regulation

[C] Substances restricted under EU REACH

[D]	Pre-registered substances under EU REACH
[E]	Registered substances under EU REACH
[F]	Substance Evaluation – CoRAP under EU REACH
[G]	List of priority substances under EU water policy (Directive 2455/2001/EC)

Note:

“√” Indicates that the substance included in the regulations.
 “✗” No data or not included in the regulations.

16 Other information

Information on revision

Creation Date	2023/05/08
Revision Date	2023/05/08
Reason for revision	-

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: <https://www.echemportal.org/echemportal/substancesearch/index.action>.
- [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/>.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG-CODE	International Maritime Dangerous Goods CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _X	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P _{ow}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor		

Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation. 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.