

**SAFETY DATA SHEET**

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Date issued: 6.11.08

Product name: **RCGIPS**

Date revised:

Revised version No.:

1. Chemical product and supplier identification:

1.1.	Product identification:	RCGIPS	Identification No.: P939720
1.2.	Product use:	As a filler in the various low constructions applications, especially for filling up old (gypsum) storage lagoons, -for protection dams against floods and noise, -for cover layer on the garbage dumps, -for constructions dams lower than 5m, which are not dynamically loaded.	
1.3.	Supplier identification (manufacturer, importer, distributor):		
1.3.1.	Supplier name:	CINKARNA CELJE, Inc.	
1.3.2.	Supplier address:	Kidričeva 26, 3001 CELJE – SLOVENIJA, +386 3 427 60 00	
1.3.3.	Contact person:	tomi.gominsek@cinkarna.si	
1.3.4.	Emergency number:	386 3 427 61 12 (Cinkarna Celje)	

2. Hazard identification:

2.1.	Hazards:	Not classified.
2.2.	Specific hazards:	n.a.
2.3.	Symptoms after exposure:	/
	- Inhalation:	May cause irritation if inhaled. Long term inhalation over allowed concentration, may cause irritation.
	- Skin contact:	May cause dry skin, discomfort, irritation and dermatitis. <u>Dermatitis:</u> It is capable of causing dermatitis by irritation. Skin affected by dermatitis may include symptoms such as, redness, itching, rash, scaling, and cracking. Irritant dermatitis is caused by the physical properties of this material including moisture and abrasion.
	- Contact with eyes:	Airborne dust may cause immediate or delayed irritation or inflammation. Eye contact with large amounts of this material can cause moderate eye irritation, redness, and burning. Eye exposures require immediate first aid to prevent damage to the eye.

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	- Ingestion:	Do not ingest. Although ingestion of small quantities of is not known to be harmful, ingestion of large quantities can cause an obstruction causing pain and distress in the digestive tract.
2.4.	Danger to environment:	Product is not classified as hazardous according to the EC directives 67/548/EEC or 1999/45/EC

3. Composition with information on hazardous ingredients:

3.1.	Common name:	Red gypsum					
3.2.	Hazardous ingredients:						
Chemical name	Registration number	Index No.	CAS No.	EC No.	wt./vol%/max concent.	Hazard symbol	Risk Phrases
Calcium sulfate dihydrate			7778-18-9	231-900-3	Min 60 %		
Diiron trioxide			1309-37-1	215-168-2	6-15 %		

4. First aid measures:

4.1.	General instructions:	
4.2.	Inhalation:	Provide fresh air. In case of special symptoms seek medical assistance.
4.3.	Contact with skin:	Washing with cool water and pH neutral soap or mild skin detergent. Seek medical attention for rash, irritation, dermatitis, and prolonged unprotected exposures to the product.
4.4.	Contact with eyes:	Rinse eyes thoroughly with water for at least 15 minutes, including under lids, to remove all particles. Seek medical attention for abrasions.
4.5.	Ingestion:	Rinse mouth with water; seek medical assistance if required.
4.6.	First aid at work:	/

5. Fire-fighting measures:

5.1.	Suitable extinguishing medium:	Product is non-inflammable. If the product is involved in a fire, all conventional fire extinguishing agents may be used(CO ₂ , Water mist, dry chemicals, etc)
5.2.	Special exposure hazards:	None.
5.3.	Special protective fire fighting equipment, indicated by standard if any:	Protective mask, helmet, fire safe clothes and gloves.

6. Accidental release measures:

6.1.	Personal safety measures:	Use protective equipment such as goggles, protective respiration mask, and gloves. If come to dusting leave the contaminated area.
6.2.	Environment protection:	The product is inert and not harmful to environment.
6.3.	Cleaning after accidental discharge:	Mechanically collect dry material into designated and appropriate marked vessels/containers.

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7. Handling and storage:

7.1.	Handling:	Handle with care and use appropriate control measures. Keep bulk RCGIPS dry until used.
7.1.1.	Safety measures:	Engulfment hazard. To prevent burial or suffocation, do not enter a confined space, such as silo, bin, bulk truck, or other storage container or vessel that stores or contains product. It can build-up or adhere to the walls of a confined space. The product can release, collapse or fall unexpectedly.
7.1.2.	Technical measures:	Ventilation of premises.
7.1.3.	Recommended and forbidden measures:	Avoid actions that cause the product to become airborne during clean-up such as dry sweeping or using compressed air. Use HEPA vacuum or thoroughly wet with water to clean-up dust. Use PPE described in Section 8.
7.2.	Storage:	Recommended closed storage.
7.2.1.	Conditions for safe storage:	Store in a dry recommended cover storage, away from sources of humidity or detrimental weather conditions.
7.2.2.	Separating incompatible products:	Storage away from foodstuff and beverages.
7.2.3.	Special packaging:	/
7.2.4.	Protection against static electricity:	Not required.
7.3.	Specific use:	As a filler in the various low constructions applications, especially for filling up old (gypsum) storage lagoons, -for protection dams against floods and noise, -for cover layer on the garbage dumps, -for constructions dams lower than 5m, which are not dynamically loaded.

8. Exposure control/personal protection:

8.1.	Exposure limit values:	VME=15mg/m ³
8.2.	Exposure control:	Good nature ventilation is efficient in most cases.
8.2.1.	Health and safety measures at the workplace:	
	Personal protection:	/
	Respiratory system protection:	In case of inadequate ventilation, protective respiration mask should be used and respirator (FFP3)
	Skin and body protection:	Protective outfit.
	Hand protection:	Protective gloves.
	Eye protection:	Protective goggles if required.
	General work hygiene:	General work hygiene.
8.2.2.	Environment exposure control:	/

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9. Physical and chemical properties:

9.1.	General information: - appearance - odour	Red to brown wet cake. Like corrosion products.
9.2.	Important health, safety and ecological information: - pH: - Boiling point: - Melting point: - Flash point: - Ignition point (for solids and gases): - Explosive properties (upper/lower border): - Oxidation properties: - Vapour pressure: - Relative density: - Solubility (in water and fats): - Partition coefficient: n-octanol/water - Other data: - Note:	6-8 (water solution) ISO10390 n.a. n.a. n.a. n.a. n.a. n.a. 2.32 kg/dm ³ at 20°C (CaSO ₄ x2H ₂ O) 2.1 g/L (CaSO ₄ x2H ₂ O in Water) n.a. Bulk density of the cake 1.6-1.7kg/L /

10. Stability and reactivity:

10.1.	Stability and reactivity:	Product is stable and inert in normal (dry) conditions.
10.1.1.	Conditions to avoid:	Large amount of water.
10.1.2.	Incompatibility with other substances:	Product is incompatible with acids, diazomethane, phosphorus, aluminium metal and strong oxidizing agents.
10.2.	Hazardous products of decomposition:	Above 1300°C will decompose to calcium oxide and sulphur dioxide.
10.3.	Other data:	n.a.

11. Toxicological information:

11.1.	Acute effects (acute toxicity, irritation and corrosivity):	Not known.
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11.2.	Chronic toxicity or repeated dose toxicity:	Not known.
11.3.	Oversensibility:	Not known.
11.4.	Specific effects(CMR effects-carcinogenity,mutagenicity and toxicity for reproduction:	Not known.

12. Ecological information:

12.1.	Ecotoxicity:	Not known.
12.2.	Mobility:	Not known.
12.3.	Persistence and degradability:	Above 1300°C will decompose to calcim oxide and sulphur dioxide.
12.4.	Bioaccumulative potential:	No bioaccumulation potential.
12.5.	Results of PBT assessment:	Not known.
12.6.	Other adverse effects:	Not known.

13. Disposal considerations:

13.1.	Product:	Dispose of in accordance with local and national regulations. Recycle if possible.
13.2.	Contaminated packaging:	/

14. Transport information:

14.1	ADR, RID:	Product not classified as dangerous according to transport legislation.
14.2.	UN number:	/
14.3.	Name:	/
14.4.	Class:	/
14.5.	Classification code:	/
14.6.	Packaging group:	/
14.7.	Hazard label:	/

15. Regulatory information:

15.1.	EC classification, letter, hazard labels, S and R (with the text), special regulations:	
15.1.1.	Classification:	/
15.1.2.	Labelling:	/
15.1.3.	Risk Phrases:	/
15.1.4.	Safety Phrases:	/

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15.1.5.	Special provisions:	Pursuant to the EC directive or national legislation, the product does not require any special indication (label).
15.2.	Regulations /Standards:	Rules and Regulation on Classification and Indication/Labelling of Hazardous Substances. Rules and Regulation on Classification and Indication/Labelling of Hazardous Materials. Chemicals Act.
16. Other information:		
16.1.	Write out the full text of any R phrases referred to under heading 2 and 3 of the SDS:	
16.2.	Staff training:	In compliance with the Health and Safety at Work Act.
16.3.	Recommended or restricted use of product:	The geotechnical moisture content of the product should be lower than 35%.
16.4.	Instructions:	Safety data sheet is to be used only in combination with the product technical sheet; safety data sheet cannot be a substitute for a technical sheet.
16.5.	Sources:	Safety data sheet for Finnstabi from Kemira. Rules (OJ RS, no.: 110/03, 16/08,35/05, 54/07,88/08,70/08,23/08, 34/08, Regulation (ES) no.:1907/06.
16.6.	Revised issue:	