Safety Data Sheet_ UROCHEM – Urea Moulding compounds

1. IDENTIFICATION

1.1 Substance/ Preparation identification

Product name: **UROCHEM** - Urea Moulding compounds
Grades: 134_136_161_162_171_371_191

Intended/recommended use: Polimer_Raw material for thermosetting plastics

1.2 Company identification

Chemiplastica SpA
Via Dante,60 - 22070 Carbonate - COMO - Italy
Ph.+39 0331 836511
Fax +39 0331 836565
e-mail: Normative@chemiplastica.com
Home page : www.chemiplasticagroup.com
Emergency telephone : +39 0331 836511 (plant's number)

Chemiplastica AB
Perstorp Industry Park
SE-284 80 Perstorp _ SWEDEN
Ph. +46 435 370 00
Fax +46 435 388 03
e-mail: goran. Johansson @chemiplastica.com
Home page : www.chemiplasticagroup.com
Emergency telephone H24: 112

Chemiplastica S.A. DE C.V.
Carretera Panamericana km 291.7
Tramo Celaya-Salamanca Villagran, Gto. 38260 MEXICO
Ph. +52 411 155 3131
Fax +52 411 155 3198
e-mail: gcia.calidad@chemiplstica.com
Home page : www.chemiplasticagroup.com
Emergency telephone : +52 411 155 3131 (plant's number)

Chemiplastica Inc.
238 Nonotuck Street
Florence, MA 01062 U.S.A.
Ph. +01 413 584 2472
Fax +01 413 586 4089
e-mail: karl.weckstrom@chemiplastica.com
Home page : www.chemiplasticagroup.com
Emergency telephone: + 143 586 5275

Chemiplastica Plastik Tic. Ve San. A.S.
Buyukcavuslu Merkez Mahallesi Cerkezkoy Caddesi No:583 Silivri
Istanbul (Europe), Turkey
Ph. +90 212 745 35 18
Fax: +90 212 745 35 22
e-mail: okan.saran@chemiplastica.com
Home page : www.chemiplasticagroup.com
Emergency telephone : +90 530 874 48 86

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 CLP Classification

This product is not classified as hazardous in accordance with Regulation (EC) 1272/2008.

2.1.2 Directive 1999/45/EC

This product is not classified as dangerous in accordance with Preparations Directive 1999/45/EC.

2.1.3 Globally Harmonized System (GHS)

This product is not classified as dangerous in accordance with Globally Harmonized System (GHS).

2.2 Label

2.2.1 According to CLP

None required, this product is not classified as hazardous.

2.2.2 According to Directive 1999/45/EC

None required, this product is not classified as hazardous.

2.2.3 According to GHS

None required, this product is not classified as hazardous.

2.3 Other hazards

2.3.1 Other hazards

Prolonged inhalation may cause irritation for mucous membranes and respiratory system.
Prolonged contact with the skin may cause localized irritation. The ingestion may cause gastrointestinal irritation.

During the molding process may be issued gas containing low amounts of formaldehyde (ppb or ppm), which may cause irritation of the eyes, mucous membranes of the nose and throat.

Hazardous substances contained in the product :
Formaldehyde : < 0,2 % (wt/wt) CAS: 50-00-0 EINECS: 200-001-8

2.3.2 Substances PB or vPvB

Does not fulfil the criteria for classification.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Chemical characterization

Composition : Amino- Resin from methylolureas, reinforced with cellulose.

Chemical name	CAS_N°	EC_N°	Concentration (%)	Hazard code (1)	Risk phrases (2)
Formaldehyde-urea resin	9011-05-6	//	70	//	//
Cellulose	9004-34-6	232-674-9	30	//	//
Pigments and additives	//	//	max 5,0	//	//

[2]The full text of the phrase is listed under heading 16.

4. FIRST AID MEASURES

4.1 General advice

No special measure required.
In case of accident or if you feel unwell, seek medical advice and show this sheet where possible.
Never give any food or drink to an unconscious person.

- **Inhalation**

In case of trouble, take the person in open air; if trouble persists, consult a medical.

- **Shin contact**

Wash with soap and water. If irritation persists, consult a medical.

- **Eye contact**

Wash with plenty of water. If irritation persists, consult a medical.

- **Ingestion**

Wash out mouth thoroughly, drink a lot of water, consult a medical.

4.2 Most important symptoms and effects, both acute and delayed

No other symptoms or specific effects.

4.3 Indication of any immediate medical attention and special treatment needed

There is no other information.

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

The material is self-extinguishable.
In case of necessity may be used: water spray, foam, powder and CO_2.
Extinguishing media which shall not be used: high volume water jet.

5.2 Special hazards arising from the substance or mixture

The product does not burn easily, but for thermal decomposition, some toxic fumes composed of CO_2, CO, NOX, CH_2O, NH_3 will give off.

5.3 Advice for fire fighters

Wear protective garments and self-contained breathing apparatus.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

See recommendation point 7 and 8.

6.2 Environmental precautions

Do not release in sewerage system or in any watercourse.
The product has a low biodegradability. Prevent contamination of soil and water.

6.3 Methods for cleaning up

The product is granular/powder .Collect by mechanical means and dispose in according to local regulations and national legislation.

6.4 Other indications

For information relating to the handling, see point 7.
For information on protective equipment, see point 8.
For information on disposal, see point 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in a well ventilated area avoiding the formation of dust.
For information on protective equipment, see point 8.

7.2 Conditions for safe storage, including any incompatibilities

Store in original packaging, keep packaging closed, in well-ventilated area and away from sources of heat and moisture.

7.3 Other data

This product is used for the manufacture of various electrical accessories, sanitary ware, toilet seats, cosmetic closures, buttons (for more uses and applications, contact supplier).

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 Control parameters

Assure adequate ventilation, in order to maintain the concentration of powders below the limits of exposure.

Exposition limits for work place:

ORGANIC DUST_ TWA: 10 mg/m³ (inhalable dust).

FORMALDHEYDE _ CAS-n°: 50-00-0 (referred to pure substance)
OSHA PEL: TWA. 0,92 mg/m³ – 0,75 ppm (8 Hr)
ACGIH: TLV_ 0,37 mg/m³ _ 0,3 ppm (IT Workplace Exposure Limit)

8.2 Exposure controls

All work should be carried out in accordance with strict hygiene practices in suitable premises, in accordance with the existing legislation and regulations. Avoid raising dust.

Review the OSHA Formaldehyde standard (29CFR 1910.1048) for worker training, work place monitoring, and medical surveillance requirements to ensure compliance.

8.3 Personal protective equipment

- *respiratory protection:* Anti-powder mask. - UNI-EN-149 (FFP1)
- *hand protection:* Chemical-resistant gloves (e.g. Nitrile gloves), certified according to EN 374 should be used to prevent skin contact.
- *eye protection:* Safety goggles, safety face shield.
- *skin protection:* Protective clothing should be used to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- *Appearance :* Granules and powder
- *Color :* all colors
- *Odor :* Odorless.
- *pH (20°C):* Not applicable

- *Boiling point :* Not applicable
- *Melting point :* Not applicable
- *Vapor pressure :* Not applicable.
- *Vapor density :* Not applicable.
- *Flammability :* 0 (HMIS and NFPA)
- *Viscosity:* Not applicable.
- *Evaporation rate :* Not applicable.
- *Solubility in water (20°C) :* Insoluble
- *Solubility in alcohol (20°C) :* Insoluble
- *Solubility in ketone (20°C) :* Insoluble
- *Auto ignition temperature :* > 600 ° C (self-extinguishable)
- *Explosive properties :* Explosive mixtures of vapors, dust and air may be formed
- *Density (g./cm³) :* 0.6 – 0.8 (for Urochem granular); 0.4 – 0.55 (for Urochem powder)
- *Partition coefficient: n-octanol/water:* Not known

10. STABILITY AND REACTIVITY

10.1 Reactivity

This product is stable under normal condition of use and storage. See point 7.

10.2 Chemical stability

The product is stable in normal conditions of storage and use.

10.3 Possibility of hazardous reactions

None. The product is chemically stable. See also point 5.

10.4 Conditions to avoid

None.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

See point 5.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1. Acute Toxicity

LD_{50} (oral, rat) > 2000 mg/kg

11.1.2. Corrosion/irritation

- Skin: non-corrosive, prolonged contact may cause localized irritation.
- Eyes: dust may cause irritation.
- Indigestion: if ingested can cause irritations to mouth, pharynx and gastrointestinal apparatus.

11.1.3. Respiratory Sensitisation

Prolonged inhalation may cause irritation to mucous membranes and respiratory tract.

11.1.4. Mutagenicity

Not applicable.

11.1.5. Carcinogenicity

Not applicable.

11.1.6. Reproductive toxicity

Not applicable.

11.2 Other data

According to our present knowledge, no adverse health effects are expected when the product is handled and used with due care and attention, in the intended field of application.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

LC_{50}, 96 h_ fish: > 4500 mg./l . Low toxicity for marine organisms.

12.2 Persistence and degradability

The product has a moderate biodegradability.

12.3 Bio accumulative potential

No bioaccumulation is to be expected.

12.4 Mobility in soil

No known adverse environmental effects are known or expected under normal use.

12.5 Results of PBT and vPvB assessment

Does not fulfil the criteria for classification as PBT or vPvB.

12.6 Other information

Water hazard class 1 (D) (*Self classification*): slightly dangerous for water. Do not allow undiluted or large amounts into the groundwater, surface water or drains.

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods

13.1.1. Disposal of product

Dispose of as solid waste according to local and national regulations.

13.1.2. Disposal of packaging

Burn in incinerator or dispose in dumping, accordingly to local regulations.

14. TRASPORT INFORMATION

14.1 UN number

Not regulated as dangerous according to transport regulations for dangerous goods.

14.2 UN proper shipping name

Not regulated as according to transport regulations for dangerous goods.

14.3 Transport hazard class(es)

Not regulated as dangerous according to transport regulations for dangerous goods.

14.4 Packing group

Not regulated as dangerous according to transport regulations for dangerous goods.

14.5 Environmental hazards

Not regulated as dangerous according to transport regulations for dangerous goods.

14.6 Special precautions for user

Not regulated as dangerous according to transport regulations for dangerous goods.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not regulated as dangerous according to transport regulations for dangerous goods.

- Land transport (ADR/RID)

Not regulated as dangerous according to transport regulations for dangerous goods

- Marine transport (IMO/IMDG)

Not regulated as dangerous according to transport regulations for dangerous goods.

- Air transport (IATA)

Not regulated as dangerous according to transport regulations for dangerous goods.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances).
- Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations).
- Regulation (CE) n. 1907/2006 (REACH),
- Regulation (CE) n. 1272/2008 (CLP),
- Regulation (CE) n. 790/2009 (1° ATP CLP),
- Regulation (EU) n. 453/2010 (Annex I).

15.2 Chemical Safety Assessment (CSA)

Not applicable.

16. OTHER INFORMATION

The information in this safety data sheet is based upon our present knowledge. The information is presented with the intention of describing the safest way of handling the product. The safety data sheet is therefore not to be regarded as a complete chemical description of the product. Consequently, the user is responsible for making sure that the product is meant to be used in the actual field of application and that it serves the purpose intended.

Main bibliographic sources:
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
CCNL - Appendix 1

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
OSHA	Occupational Safety and Health Administration.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.

This SDS cancels and replaces any preceding release.

Revised in accordance with Regulation EC 1272/2008 CLP.