Safety Data Sheet
LCG 3030, LCG3040, LCG 3010, LCG 2020.

Safety Data Sheet dated 23/10/2012, version 0

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name: LCG 3030, LCG3040, LCG 3010, LCG 2020.
Trade code: PTFE+CARBOGRAPHITE
Semifinished PTFE Products.
Field of activity: chemical, electrical and mechanical industry
Company:

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2. HAZARDS IDENTIFICATION

The product is an inert polymer, in usual condition harmful effects for man are not knowed.
The primary hazard associated with these polymers is the inhalation of fumes from overheating or burning heating PTFE above 300 degrees C may liberate a fine particulate fume and toxic gases.
These decomposition products may initially produce chest tightness or pain, chills, fever, nausea, with shortness of breath, cough, wheezing and progression into pulmonary oedema.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:
65% - 90% Polytetrafloroethylene

CAS: 9002-84-0
substance with a Community workplace exposure limit

10% - 35% Carbon + Graphite

4. FIRST AID MEASURES

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water for at least 10 minutes.

In case of Ingestion:

No specific intervention is indicated as compounds is not likely to be hazardous by ingestion.
Obtain medical attention if necessary.

In case of Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water, CO2, Foam. Chemical powders, according to the materials involved in the fire.

Extinguishers not to be used:

None in particular.

Risks arising from combustion:
If a flame is applied to the material it will ignite but if the flame is removed then combustion ceases. Combustion or thermal decomposition will evolve very toxic and corrosive vapours (ex. HF and COF2)
Protective equipment:
wear self-contained apparatus. Wear full protective equipment (antiacid).

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:
Do not breathe dust.
Keep away from unguarded flame, sparks, and heat sources.
Environmental measures:
Try to prevent the material from entering drains or water courses.
Cleaning methods:
Recover the product for re-use if possible, or for elimination in accordance within the regulation.

7. HANDLING AND STORAGE

Handling precautions:
Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.
Do not eat or drink while working.
Use gloves and protective clothing.
Avoid to use material at high temperature (>300℃) and care should be taken to prevent inhalation of fume.
Incompatible materials:
None in particular.
Storage conditions:
Keep away from unguarded flame, sparks, and heat sources.
Keep away from flammable materials.
Keep away from incompatible materials (see to paragraph 10).
Instructions as regards storage premises:
Adequately ventilated premises.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:
Give adequate ventilation to the premises where the product is stored and/or handled.
Do not breathe dust.
Do not breathe decomposition vapours.
Use local ventilation exhaust to completely remove vapours and fumes liberated during processing at high work temperature.
Respiratory protection:
Use protection for the respiratory tract.
Protection for hands:
Wear rubber gloves.
Eye protection:
Wear safety glasses.
Protection for skin:
Use gloves and protective clothing.
Exposure limit(s) (ACGIH):
Polytetrafloroethylene
TLV TWA: HF=2.6 mg/m3, COF2=5.4mg/m3

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: Solid, see data sheet of each products.
Odour: N.A.
pH: N.A.
Melting point / freezing point: N.A.
Initial boiling point and boiling range: N.A.
Flash point: N.A.
Solid/gas flammability: N.A.
Autoignition temperature: N.A.
Explosive properties: N.A.
Oxidizing properties: N.A.
Vapour pressure: N.A.
Relative Density: Refer to technical specification
Solubility in water: N.A.
Solubility in oil: \tN.A.
Partition c. (n-octanol/H2O): N.A.
Vapour density: N.A.

10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

keep away from flammable materials.
Keep away from melted alkalis metal.

Hazardous decomposition products:

Thermal decomposition started up to 250℃.
At high temparature (>350℃) thermal decomposition will evolve very toxic and corrosive gases (HF and COF2)

11. TOXICOLOGICAL INFORMATION

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.
Toxicological information on main components of the mixture:
Polytetrafloroethylene

Cracking products toxicity
LC50 (inhalation, 30 min. rat)=3500 mg/m3 at 625℃. L50 (inhalation, 5 min. rat)=2700 mg/m3 at 800℃.

12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.
When PTFE is burned decomposition products begin to be emissioned.

13. DISPOSAL CONSIDERATIONS

Recover if possible. In so doing, comply with the local and national regulations currently in force.
Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

14. TRANSPORT INFORMATION

Not classified as Hazardous for transport.
Only risk is when PTFE burns.

15. REGULATORY INFORMATION

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP) (Annex VI), Regulation (CE) n.790/2009.
The preparation should not be considered as dangerous accordingly to dir. 1999/45/EC.

16. OTHER INFORMATION

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
ACGIH - Threshold Limit Values - 2004 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.