



MODERN SPECIALTIES IN SYNTHETIC AND PLASTIC INKS

Rondeau 1200. Ramos Mejía, Buenos Aires, Argentina.

Phone: 4654-0060 **Fax:** 4656-1098 **E-Mail:** laboratorio@pintesint.com

www.pintesint.com

MATERIAL SAFETY DATA SHEET (MSDS)

HEALTH: 2
FLAMMABILITY: 1
REACTIVITY: 1

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Screen Printing Ink
Trade Name: CALCOPLASTICA
Code ID: 0610 to 0690 and special colours of the line
with codes of the form E-6 ** - **
Manufacturer name: PINTESINT SAICyF
RONDEAU 1200 RAMOS MEJIA (1704)
BUENOS AIRES ARGENTINA
TELEPHONE: (54-11)4654-0060 FAX: (54-11)4656-1098
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Pigments: 0 % - 40 %
Plasticizer: 20 % - 45 %
PVC Resins: 35 % - 55 %
Additives: 0 % - 2 %

Contains *dioctyl phthalate (DNOP)* CAS 117-81-7

3. HAZARDS IDENTIFICATION

MAIN RISKS

Combustible
Irritating

GENERAL HEALTH EFFECTS

The possible health effects of this product are based on the hazards associated with the ingredients. The use of this product in combination with other products may produce cumulative effects on health. Warning labels and safety data sheets of materials used with this product should be checked before use.

EYES

Eye contact with liquid, vapour or mist can cause moderate or severe irritation, including burning, tearing, redness, or swelling.

SKIN

Repeated and prolonged contact with the skin may cause dermatitis, allergic reaction, drying and / or fissures (cracking in the skin).



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INHALATION

Vapour may cause irritation of the respiratory tract.

INGESTION

Slightly toxic if swallowed. Irritate gastrointestinal tract.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Pregnant women and people with medical conditions should consult their doctor before using this product. Repeated and prolonged overexposure and / or individual sensitivity may increase the risk and level of adverse health effects.

4. FIRST-AID MEASURES OF ASSISTANCE

EYES

Wash eyes for at least 15 minutes. If irritation persists, get appropriate medical attention.

SKIN

In case of contact, immediately wash skin with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. It is suggested to use cold water at first to prevent the pores of the skin from opening. This will minimize the area and time of contact with the skin. Then warm water can be used to ensure that all contaminants have been removed. The skin should be controlled for possible redness or chemical burns. It is suggested to use a mild soap so as not to damage the skin and thus prevent the chemicals from penetrating the pores during cleaning. Obtain medical attention if irritation persists or significant contact has occurred. Wash clothing and shoes thoroughly before refusing.

INHALATION

Move person to fresh air. If not breathing, give artificial respiration or oxygen by trained personnel. Get medical attention immediately if there is difficulty breathing.

INGESTION

If it is swallowed and the person is conscious, induce vomiting by giving two (2) glasses of water and inserting the fingers into the throat. NEVER INDUCE VOMITING OR ADMINISTER NOTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a poison control centre or doctor immediately.

5. FIRE FIGHTING MEASURES

COMBUSTIBLE

EXTINGUISHING MEDIA

Use CO₂, foam or chemical dust. Water in the form of mist only to cool containers.

FIRE EXTINGUISHING EQUIPMENT

Wear self-contained breathing apparatus and safety glasses (or goggles) to prevent splashes or contact with vapour. Wear gloves, apron and boots.

SPECIAL METHODS FOR FIRE EXTINGUISHING

Vapour emitted during the fire can be toxic and hazardous.



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6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition (flames, hot surfaces and electrical, static, or frictional sparks). Avoid contact with the product and inhalation of vapour. Ventilate the area.

Contain spill and dispose of with an inert absorbent. Use non-sparking tools to put the material in a suitable container to dispose of. Isolate the risk area and deny entry to unnecessary and unprotected personnel.

7. HANDLING AND STORAGE

Use adequate ventilation, if possible in combination with good extraction. Do not eat or drink during use. Keep away from oxidizing agents; Save in environments below 35 ° C (95° F) and with very good air supply. Store in cool, dry areas protected from sunlight. Keep away from sources of ignition - no smoking. Keep containers tightly closed in a well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Wear eye and face protection. Protective clothing and appropriate gloves (neoprene or nitrile rubber). Use adequate ventilation, combined with good extraction. Be exposed as little time as possible.

Wash hands before taking a break or leave work. Put on separate work clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Paste with characteristic odour.
Viscosity (25 °C / 77 °F):	1000 - 50000 cps (Brookfield)
Specific Weight:	from 1 to 1.3 Kg/dm ³ ACCORDING THE COLOUR
Solubility:	Soluble in organic solvents INSOLUBLE IN WATER
Flash Point:	215 ° C/419° F (from the main component). GELS AT 100 ° C/212° F
Vapour Pressure 20°C (68 °F):	1.2 mm Hg. (from the main component)

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY

Stable: under recommended storage and handling conditions.

CONDITIONS TO AVOID

Avoid high temperatures, heat sources and contact with oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

May produce hazardous vapour when heat up to decomposition; CO, CO₂ and other harmful gases.

11. TOXICOLOGICAL INFORMATION

The frequent or continuous contact with the skin causes irritation and possible dermatitis.



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Oral Ld50 (rats-oral) from the main component 47g / kg

12. ECOLOGICAL INFORMATION

Keep product away from sources or watercourses.

13. DISPOSAL CONSIDERATIONS

Follow municipal, provincial and national legal regulations for the elimination of sub-products and waste. Recommendation: Incinerate. Contaminated containers may be used after cleaning.

14. TRANSPORT INFORMATION

General:	COMBUSTIBLE.
Transport Classification:	3
United Nations Number:	1210

15. INFORMACION LEGAL

Hazard Symbol:	F, Xi,
Risk and safety phrases:	R20/21/22 R36/37/38 S20/21

16. OTHER INFORMATION

No additional information

This information only refers to the product mentioned above and should not be valid for other product (s) or for any process. The information is, according to our best correct and complete knowledge. It is provided in good faith but without guarantee. It remains the responsibility of the user that this information is appropriate and complete for the special use of this product.

IMPORTANT NOTE

- I. The inks formulated by Pintesint SAICYF must be used exclusively with the solvents and the complementary products that it manufactures for that purpose. Due to the diversity of products in the market, the company is not responsible for the use of the same from another source.
- II. The suggestions and data of this literature were elaborated in good faith, to guide the user. We recall the importance of checking the adaptability of inks and complementary products by testing before starting production. Due to the fact that the conditions of use of the products are not under our control, the present does not constitute a guarantee on the work to be done.