



DAK Americas Argentina, S.A.  
Material Safety Data Sheet

MSDS NUMBER: DK0009

REVISION: 03/01/2012

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Laser + ® , Laser + ® W, Laser + ® C, Laser + ® RF, Laser + ® HS  
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**CHEMICAL PRODUCT/COMPANY IDENTIFICATION**

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MATERIAL IDENTIFICATION:

Laser + ® , AD650, AD650B, AD645, AD692, AF621, AF626, AF404, AF405, AF600,  
AF601, AD600A.

COMPANY IDENTIFICATION:

MANUFACTURER/DISTRIBUTOR:

DAK Americas Argentina, S.A.  
Parque Industrial Zarate, Camino  
Santa Ana S/NRO  
(B2800OFA) Zarate, Buenos Aires  
Argentina  
54 3487-429900

MSDS Prepared by	DAK Americas Argentina, S.A.
Chemical Name	not applicable
Synonym(s)	975698
Molecular Formula	not applicable
Molecular Weight	not applicable
Product Use	plastic
OSHA Status	nonhazardous

For emergency health, safety & environmental information call, 54-3487-429900

For emergency transportation information, call CHEMTREC at 01-703-527-3887

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**COMPOSITION/INFORMATION ON INGREDIENTS**

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(Typical composition is given, and it may vary. A certificate of analysis can be provided, if available.)

<u>Weight %</u>	<u>Component</u>	<u>CAS Registry No.</u>
>90%	Copolyester	Proprietary
<10%	Additive(s)/Colorant(s)	Proprietary

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**HAZARDS IDENTIFICATION**

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**CAUTION!**  
MOLTEN MATERIAL WILL PRODUCE THERMAL BURNS

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**FIRST AID MEASURES**

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**INHALATION:**

If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**EYES:**

If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

**SKIN:**

If burned by contact with molten material, cool as quickly as possible. Do not peel material from skin. Get medical attention.

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INGESTION:

Seek medical advice. Material is not expected to be absorbed from the gastrointestinal tract so that induction of vomiting should not be necessary

Note to Physicians: Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

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**FIRE FIGHTING MEASURES**

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Extinguishing Media: Water spray, dry chemical, carbon dioxide  
Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.  
Hazardous Combustion Products: Carbon dioxide, carbon monoxide  
Unusual Fire and Explosion Hazards: Powdered material may form explosive dust-air mixtures.

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**ACCIDENTAL RELEASE MEASURES**

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Shovel up and place in a container for salvage or disposal.

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**HANDLING AND STORAGE**

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**PERSONAL PRECAUTIONARY MEASURES:**

Avoid contact with molten material.

**PREVENTION OF FIRE AND EXPLOSION:**

Keep from contact with oxidizing materials. Minimize dust generation and accumulation. In the United States of America, refer to NFPA® Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries."

**STORAGE:**

Keep container closed.

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**EXPOSURE CONTROLS/PERSONAL PROTECTION**

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Country specific exposure limits have not been established or are not applicable unless listed below.

**VENTILATION:**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances; such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.

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RESPIRATORY PROTECTION:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Respiratory Protection Standard CFR 1910.134. Respirator type: Dust. Contact health and safety professional or manufacturer for specific information.

EYE PROTECTION:

It is a good industrial hygiene practice to minimize eye contact. Wear a face shield when working with molten material.

SKIN PROTECTION:

It is a good industrial hygiene practice to minimize skin contact. When material is heated, wear gloves to protect against thermal burns.

Recommended Decontamination Facilities: eye bath, washing facilities

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### PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL FORM: Solid  
COLOR: White  
ODOR: Odorless  
SPECIFIC GRAVITY: > 1  
MELTING POINT: 250 °C  
BOILING POINT: 380 – 420 °C  
SOLUBILITY IN WATER: Negligible  
FLASH POINT: Not applicable, combustible solid  
THERMAL DECOMPOSITION TEMPERATURE: Thermal stability not tested. Low stability hazard expected at normal operating temperatures.

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### STABILITY AND REACTIVITY

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STABILITY: Not fully evaluated. Materials containing similar structural groups are normally stable.  
INCOMPATIBILITY: Material reacts with strong oxidizing agents.  
HAZARDOUS  
POLYMERIZATION: Will not occur.

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### TOXICOLOGICAL INFORMATION

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#### ANIMAL DATA:

Polyethylene Terephthalate

Oral ALD: > 10,000 mg/kg in rats

- Polyethylene Terephthalate is not a skin irritant, but is a mild eye irritant.
- Toxic effects from short exposures by inhalation resulted in no adverse effects.
- Toxic effects from short exposures by ingestion resulted in no adverse effects.
- Animal testing indicates that Polyethylene Terephthalate does not have carcinogenic, mutagenic, developmental or reproductive effects.

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**ECOLOGICAL INFORMATION**

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This material has not been tested for environmental effects.

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**DISPOSAL CONSIDERATIONS**

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Discharge, treatment, or disposal may be subject to national, state, or local laws. Incinerate.

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**TRANSPORT INFORMATION**

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Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT (USA)

Class not regulated

Sea – IMDG (International Maritime Dangerous Goods)

Class not regulated

Air – ICAO (International Civil Aviation Organization)

Class not regulated

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**REGULATORY INFORMATION**

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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS (Canada) Status: noncontrolled

SARA 313: none, unless listed below

Carcinogenicity Classification (components present at 0.1% or more): none, unless listed below.

TSCA (US Toxic Substances Control Act): All components of this product are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): All components of this product are listed on the DSL. Any impurities present in this product are exempt from listing.

EINECS (European Inventory of Existing Commercial Chemical Substances): All components of this product are listed on EINECS. Any polymer present in this product has regulatory clearance under Directives of the European Union.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): All components of this product are listed on AICS or otherwise comply with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): All components of this product are listed in the Handbook or have been approved in Japan by new substance notification.

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ECL (Korean Toxic Substances Control Act): All components of this product are listed on the Korean inventory or otherwise comply with the Korean Toxic Substances Control Act.

Philippines Inventory (PICCS) : This product is listed on the Philippine Inventory or otherwise complies with PICCS.

Inventory of Existing Chemical Substances in China: All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC) or are not required to be listed on the Chinese inventory.

No components of the product are on the Mexican Raw Materials Regulation.

No components of the product are on Germany's Recommendation #36 for food contact.

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**OTHER INFORMATION**

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NFPA, NPCA-HMIS:  
NFPA Rating:

Health: 1

Flammability: 1

Reactivity: 0

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**ADDITIONAL INFORMATION**

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Dacron®\*\*\* is a registered trademark of DuPont, licensed to DAK Americas LLC.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsible for MSDS: Cape Fear Site MSDS Coordinator  
Address: 3500 Daniels Rd.  
Leland, NC 28451  
Telephone: 01-910-371-4000

See DAK Caution Statement on next page.

End of MSDS

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**CAUTION**

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DAK Caution Bulletin No. 1

DO NOT USE DAK MATERIALS IN MEDICAL APPLICATIONS INVOLVING PERMANENT, BRIEF, OR TEMPORARY IMPLANTATION IN THE HUMAN BODY OR PERMANENT CONTACT WITH INTERNAL BODY FLUIDS OR TISSUES, UNLESS THE MATERIAL HAS BEEN PROVIDED DIRECTLY FROM DAK UNDER A CONTRACT WHICH EXPRESSLY ACKNOWLEDGES THE CONTEMPLATED USE.

DAK MAKES NO REPRESENTATION, PROMISE, EXPRESS WARRANTY OR IMPLIED WARRANTY CONCERNING THE SUITABILITY OF THESE MATERIALS FOR USE IN THE HUMAN BODY OR IN CONTACT WITH INTERNAL BODY FLUIDS OR TISSUES.

THE CONTENT OF DAK MATERIAL IS NOT CERTIFIED FOR IMPLANTS. DAK materials are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. DAK has not performed clinical testing of these materials for implantation. DAK will not provide to customers making implantable devices any notice concerning its materials, as specified under 21 C.F.R section 820.50, or any other information necessary for medical device use of the materials under any other statute or FDA regulation. DAK has neither sought, nor received, approval from the FDA for the use of these materials in implantation in the human body or in contact with internal body fluids or tissues.

**ALL IMPLANTABLE MEDICAL DEVICES CARRY A RISK OF FAILURE AND ADVERSE CONSEQUENCES**

The medical judgment of a physician, a medical device seller and the FDA should be relied upon for identification of both harmful consequences and life-saving benefits from an implantation device comprised of specific materials. These benefits and risks can be found in published medical cases performing clinical medical studies of an implantable medical device. DAK does not support the use of its products in these applications and cannot weigh the benefits against the risk defined in these articles. DAK cannot offer a medical judgment on the safety or efficacy of the use of its materials in such devices.

**DO NOT MAKE REFERENCE TO THE DAK NAME OR ANY DAK TRADEMARK IN ASSOCIATION WITH AN IMPLANTABLE MEDICAL DEVICE.**

Do not use a DAK trademark or licensed trademark as the descriptive name of an implantable medical device (e.g. do not call it the "Dacron®" prosthesis", do not call it a "Delcron®" prosthesis, or do not call it a " Laser+® device" ).

End of Bulletin