

Sol Rosenblatt, Chemist
An Inventor with 50 years'
Experience

Sol Rosenblatt is a biomedical chemist with more than a **dozen patents** ranging from medical products (e.g. IoPlex dressings (Medline) and Merocel EENT products), to developing new materials to meet the unique needs of aerospace devices.

While a life support team member for the *Apollo moon program*, he became concerned with the lateral transfer of infectious bacteria among the astronauts and the transporting of foreign bacteria to the moon.

His investigations resulted in the **study of iodine**, as it is a *naturally occurring antimicrobial* and may therefore also be bio-compatible for outer space.

The development of **iodine combining polymers** to control its dosage, and designs for its application, has resulted in **new iodophor technology ideally suited for all wound healing dressings.**



Sol's most recent development is a special material that produces a **super absorbent iodophor** for the treatment of deep, and highly exudating wounds--a result of more than 50 years of experience with iodine and its properties.

PlastTech Co LLC
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v2.0 Isorbe Brochure



Specializing in:

Control Release,
Super Absorbent,
Iodophor Dressings

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Introducing I-Sorbe

A 4th Generation Iodophor

1. Povidone Iodine
2. Iodosorb/IodoFlex (Smith & Nephew)
3. IoPlex Control Release Iodine (Medline)
4. Today: I-Sorbe: Super-Absorbency Enhanced with a NEW Control Release Iodophor advancing all wound and burn care.

I-Sorbe Available in Different Dressing Forms:

A range of powders, poultices (sachets), sponges, gels, ointments and coatings to make dressings to treat highly exudating ulcers, cavernous and military wounds as well as topical band-aids.

Granularity of the hydrated I-Sorbe polymer result in improved flow of exudate removal.

Turns from black to off white, indicating a visual depletion of iodine and need for replacement.



**Patent Protected &
Made in USA**

Benefits of I-Sorbe

- Can absorb more than 40 times its own
- Weight in exudate--without occlusion better than any current absorbent antimicrobial dressing, while still maintaining integrity e.g. IoPlex absorbs 9-10X
- Iodine content is adjustable 1-16% allowing for initial iodine down treatments then increasing iodine release as needed
- Poultice dressing expansion pressure is adjustable for NPT applications
- Analogous iodine alginate dressing as an antimicrobial improvement over silver.
- Very high absorbency and increased Iodophor capacity results in longer intervals between changes with less maceration
- Poultice clinically used for more than 2 years successfully treating deep and recalcitrant wounds
- Conforming, soft and durable, non-linting dressings applied either dry or slightly moist; Sponge types are trim-able to wound size
- Produces a surface gel non-adhering release layer