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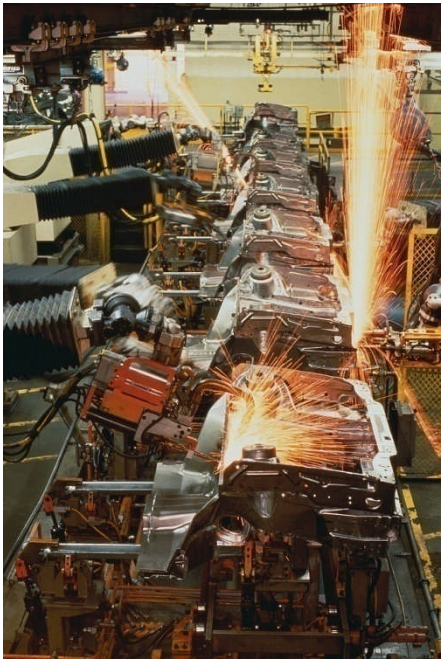
Manufacturing: Skin Safety

**Skin Safety Regimen for Employees in a
Manufacturing Workplace**

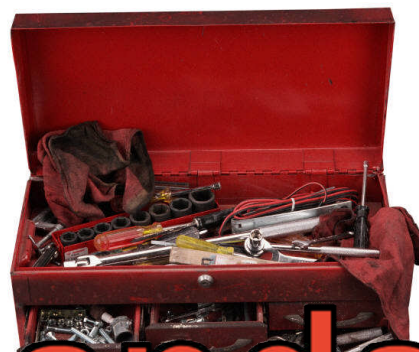
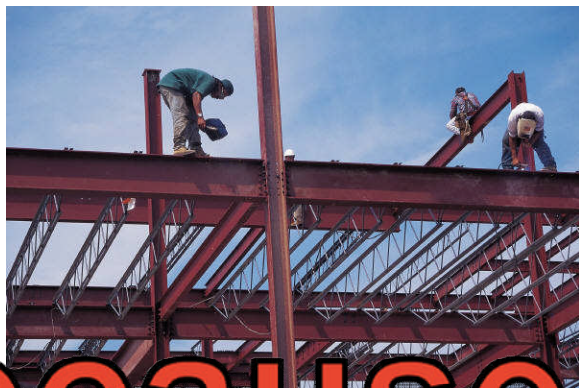


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Why a Skin Safety Regimen?



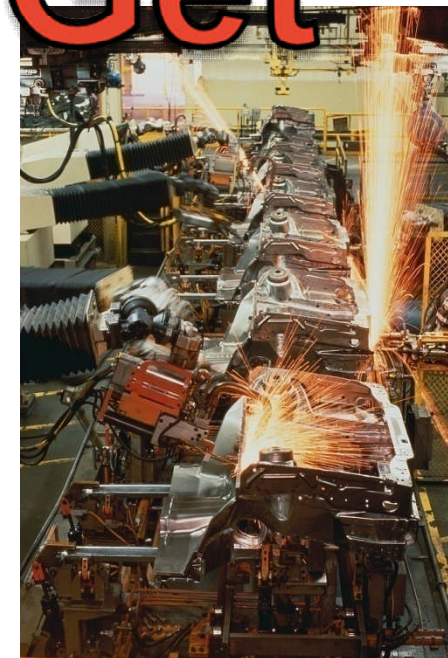
Why a Skin Safety Regimen?



Because Hands Get



Dirty!!!



US Department of Labor

Occupational Safety & Health Administration

1910.138(a)

General requirements. Employers shall select and require employees to use appropriate hand protection when employees' hands are exposed to hazards such as those from skin absorption of harmful substances; severe cuts or lacerations; severe abrasions; punctures; chemical burns; thermal burns; and harmful temperature extremes.

1910.138(b)

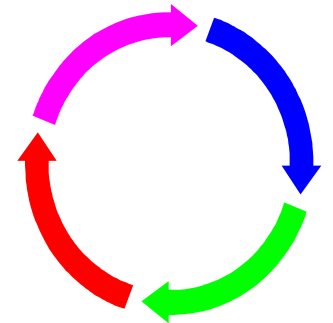
Selection. Employers shall base the selection of the appropriate hand protection on an evaluation of the performance characteristics of the hand protection relative to the task(s) to be performed, conditions present, duration of use, and the hazards and potential hazards identified.



Major Elements of Compliance

An effective hand health program will include the following four elements

- Management commitment and employee involvement
- Worksite analysis and recommendation
- Hand infection prevention and control regimen
- Education and training



Why offer comprehensive skin care?

Hands in the industrial environment are vital tools to get the job done

The cost of skin problems in this environment can be significant:

- Sickness, absence from work
- Lost or reduced productivity
- Poor staff morale and staff re-training
- Compensation claims



Occupational Dermatitis



®

Occupational Dermatitis

- **Anyone who has frequent exposure to substances that can irritate the skin or who uses strong chemicals on the job can develop occupational dermatitis.**
- **With frequent use, even substances as mild as water and detergent can irritate the skin and cause eczema.**
- **Repeatedly wetting and drying the hands damages the skin's protective barrier, making it easier for irritants and allergens to penetrate the skin.**
- **Working in some industries, especially agriculture and manufacturing, increases the risk.**



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A Unique Response

Deb has developed a dedicated skin safety regimen for Industrial environments

The regimen is designed to:

- Provide a structured approach to skin care
- Integrate with existing risk management activities
 - Health & Safety procedures
 - Occupational Health requirements
 - Provision of personal protective equipment
- Meet a company's specific needs
- Encourage employee skin care best practice



®

Deb and the Environment

Deb recognizes that investing in environmental management is an important factor for a responsible business

There are 3 strands to our approach:

- Our investment in new facilities and technologies
- Our dispensing systems are built to last and use recyclable cartridges
- Our environmentally friendly formulations



Deb Skin Care System

Best in Class product and support activities are uniquely combined into 6 steps to create The Deb Skin Care System™

4-Step Product Range:



4 easy steps to a healthier working environment



®

Deb Skin Care System

Best in Class product and support activities are uniquely Combined into 6 steps to create The Deb Skin Care System™

2-Step Support Activities:



Educate - Education and awareness materials
Audit - Pre and post site audits



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Our Product Philosophy

Products that are effective and easy to use, universally understood and fully tested and supported

- Complete hand care regimen
- Easy to use
- Convenient sealed system
- Color-coded with clear descriptions / instructions



Helps users know which products to use and how to use them

Global Range Label



Color Coded Label to Identify Usage

1. Easy to Understand Installation Illustrations

2. Multi-lingual Labels

3. Universal Item Numbers



®

Global / Industrial Offering

Universal Icons



protect



cleanse



sanitize



restore



®





Deb® Universal Protect

Universal pre-work skin cream to help protect the skin against contact with water and non-water based contaminants. Perfume-free and non-greasy, it is compatible for use under latex and nitrile gloves to provide a second line of defence. Makes skin easier to clean.



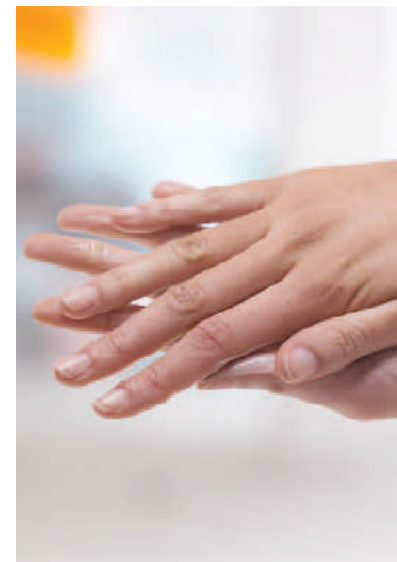
protect



Deb® Sun Protect



SPF30 sunscreen to protect the skin against the sun's harmful UV-A (ageing) & UV-B (burning) rays. Perfume-free and non-greasy, its photostable formula is also water-resistant and moisturises the skin.



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Product Range / Offering



Step	Stock Code / Item Number	Name	Global Product Range Slot Description	Global Product Range Pack Size
Protect	SUN150ML	Deb Sun Protect	Sunscreen cream - UV-A & UV-B SPF 30	150ml Tube
	SUN1L	Deb Sun Protect		1 Liter Cartridge
	UPW150ML	Deb Universal Protect	Universal pre-work cream to help protect against <u>both water and non-water based substances</u>	150ml Tube
	UPW1L	Deb Universal Protect		1 Liter Cartridge



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Quick Facts About Heavy Duty Cleaners

- **A solvent is a substance in which something can be dissolved. Usually people think of solvents as things like nail polish remover, which is the chemical acetone, or petroleum based products. We commonly consider these chemicals as "solvents" because they dissolve things that water usually doesn't. Acetone removes the paint from under your nails but water can't. Which means the paint under the nails, or the greasy mess on your hands, is chemically just like the solvents themselves and not like water. Most of these solvents are very non-polar, or uncharged.**



®



Quick Facts About Heavy Duty Cleaners

- **A detergent is different because it is a chemical with both a polar (or charged) section and a non-polar (or uncharged) section. Detergents work to dissipate oil and grease by surrounding the oily dirt with the detergent, with the non-polar end of the molecule surrounding the oily dirt. Then the other end of the detergent points away from the oil and sits in the water where it likes to be. So this clumps all the oily dirt into "packets" called micelles and they can be washed away. DETERGENTS TEND TO BE MILDER THAN SOLVENTS.**



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Why Heavy Duty?

Heavy Duty hand Cleansers appeared on the European and US markets during the 40's and "modern" cleaners, which utilize surfactants, became popular in the 70's

These cleaners were designed to be highly effective and the innovation was based on the combination of three principles:

- ✓ **The emulsifying properties of surfactants (soap or synthetic surfactants)**
- ✓ **The mechanical action of scrubbing agents**
- ✓ **The degreasing properties of non-polar (lipophilic) solvents.**



®

Why Heavy Duty?

The problem is that these products contain a great proportion (10 to 30%) of hydrocarbon solvents.

Petroleum-derivates have other negative aspects:

- ✓ They have potential skin and neuron toxicity
- ✓ They are not obtained from renewable resources
- ✓ They are flammable
- ✓ They cause massive and long-term ecological disorders when accidentally spilled
- ✓ They are not easily biodegraded



Introducing Sunflower Heavy Duty

This is why Deb decided to find a safe and environmentally friendly alternative to hydrocarbon solvents.

- **Sunflower seed oil was chosen because it is the richest oil in essential fatty acids (i.e. Linoleic acid):**
 - **To make the perfect heavy-duty hand cleaner Deb added Ground Olive Pit and Cornmeal Scrubbers**



d'Limonene

- **d'Limonene is a hydrocarbon, classified as a cyclic terpene. It is a colorless liquid at room temperatures with an extremely strong smell of oranges.**
- **As a straight solvent, d-limonene can replace many types of products such as acetone, MEK (methyl ethyl ketone), mineral spirits, glycol ethers, and toluene. Since it is not water soluble, it can be used in typical water separation units.**
- **From a personal safety standpoint, d'Limonene is a much safer product for use than most other solvents. It is much less toxic than mineral spirits.**
- **d'Limonene has been classified as a slight skin irritant, because it can remove naturally occurring oils from the skin. This has not been shown to cause lasting damage.**
- **Used straight, d-limonene can cause a certain amount of swelling of polymers, so any plastic materials must be chosen carefully.**



Power of the Flower



The Natural Power of Sunflower Oil

Sunflower oil derives from sunflower seeds, a sustainable natural crop grown in many parts of the world. High in Vitamin E to help retain skin moisture, sunflower oil is not classified as a solvent, yet has excellent solvency properties for use in hand cleansing.

- Sunflower Wash
- Natural Power Wash



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Medium / Heavy Duty



cleanse

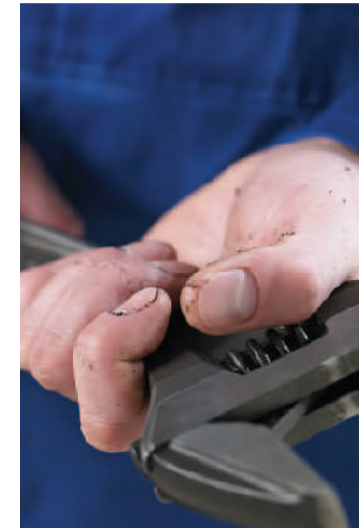
Deb® Lime Wash

Gentle but effective heavy duty hand cleanser with Deb's patented combination of natural cornmeal hand scrub and light lime extracts. Ideal for most common industrial soilings. Contains moisturizers to help leave the skin soft and supple after use.



Deb® Sunflower Wash

Solvent-free heavy duty hand cleanser with Deb's patented combination of natural sunflower oil extract and cornmeal hand scrub. Ideal for most common industrial soilings. Contains moisturizers to leave the skin soft and supple after use.



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Heavy / Heavy Duty and Specialty



Deb® Natural POWER Wash

Uses the power of solvent free, natural sunflower oil extracts in combination with cornmeal scrub to provide a highly effective 'deep-clean' performance. Effective on most ingrained and difficult to remove industrial soilings. Contains moisturizers to help ensure regular use does not affect skin hydration.



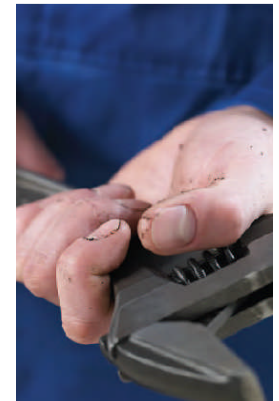
cleanse

Deb® Citrus POWER Wash

Uses the power of natural orange oil extracts in combination with cornmeal hand scrub to provide a highly effective cleaning performance. Removes a wide range of ingrained and difficult to remove industrial soilings from oil and grease to many paints and adhesives. Contains moisturizers to help ensure regular use does not affect skin hydration.

Deb® Ultra Wash

Specialist powerful hand cleaner to remove paints, inks, resins, adhesives and most other print & paint shop contaminants. Cleansing power derives from the combination of dibasic esters and natural cornmeal scrub. Contains moisturizers to help ensure regular use does not affect skin hydration.



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Product Range / Offering



Step	Stock Code / Item Number	Name	Global Product Range Slot Description	Global Product Range Pack Size
Cleanse - Heavy	LIM2LT	Deb Lime Wash	<u>General purpose</u> heavy duty industrial hand cleaner - removes medium to heavy oil, grease & grime	2 Liter Cartridge
	LIM4LTR	Deb Lime Wash		4 Liter Cartridge
	SFW2LT	Deb Sunflower Wash	<u>Solvent Free</u> heavy duty hand cleaner with sunflower oil and cornmeal hand scrub	2 Liter Cartridge
	SFW4LTR	Deb Sunflower Wash		4 Liter Cartridge
	CIT2LT	Deb Citrus POWER Wash	General purpose heavy duty industrial hand cleaner - natural orange oil extracts with cornmeal hand scrub	2 Liter Cartridge
	CIT4LTR	Deb Citrus POWER Wash		4 Liter Cartridge
	NPW2LT	Deb Natural POWER Wash	<u>Powerful</u> heavy duty industrial hand cleaner - removes deeply ingrained oil, grease & grime	2 Liter Cartridge
	NPW4LTR	Deb Natural POWER Wash		4 Liter Cartridge
	ULT2LT	Deb Ultra Wash	<u>Specialist</u> heavy duty industrial hand cleaner - removes paints, resins & adhesives	2 Liter Cartridge
	ULT4LTR	Deb Ultra Wash		4 Liter Cartridge
Cleanse - Wipes	UNI150W	Deb Universal Wipes	<u>General purpose</u> hand cleansing wipes - remove oils, grease, dirt & grime	150 Wipes
	ULT150W	Deb Ultra Wipes	<u>Specialist</u> hand cleansing wipes - remove paints, resins & adhesives	150 Wipes





restore

The non-greasy formula is compatible for use under latex and nitrile gloves to keep the skin hydrated.

Deb® Pure Restore

Perfume-free and dye-free, highly effective mild after-work conditioning cream to provide effective skin care whether skin is dry, sore, chapped or in normal condition.



®





Product Range / Offering

Step	Stock Code / Item Number	Name	Global Product Range Slot Description	Global Product Range Pack Size
Sanitise	IFS50ML	Deb InstantFoam	Alcohol-based FOAM hand sanitizer	47ml Pump Bottle
	IFS250ML			250ml Pump Pack
	IFS400ML			400ml Pump Pack
	ISF1L			1 Liter Cartridge
Restore	RES150ML	DEB Pure Restore	Universal after-work conditioning cream - perfume-free	150ml Tube
	RES1L			1 Liter Cartridge



®

Antimicrobial Dispenser

- Step icons
- Uniform color-coding scheme
- Language specific descriptions
- Easy to follow illustrations



BioCote / Multilingual



The Power of Silver

All Deb dispensers are Biocote® protected. Biocote® is a silver-based antimicrobial agent that is incorporated into the dispenser components at the time of manufacture and inhibits the growth of a broad spectrum of bacteria and molds. Biocote® will not wear out or rub off over time, making it effective for the lifetime of the dispenser.



®

Deb Skin Safety Centers

➤ Robust, light-weight boards that are ready-assembled with appropriate Deb dispensers.

Convenient – everything needed for clean healthy skin in one location.

- Instructional – encourages compliance with a full skin safety regimen.
- Can be customized
- Easy maintenance – wipe clean surface.
- Robust – durable, lightweight material ideal for busy wash area environments.

