



Product Catalogue

NULAB
CHEMICAL SOLUTIONS

NULAB

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NuLab is an established and independent manufacturing company based in Johannesburg. Our primary focus is the formulation and production of innovative chemical solutions which serve a range of industries, including Mining & Industrial, Waste & Water Treatment, Food Production & Health, Laundry, Automotive and Building Care.

Expert development of a comprehensive range of products, using intelligent formulation and application, chemistry research techniques, rigorous testing and quality control, careful management and a considerate environmental approach, enables us to guarantee the highest quality in all our products, which remain cost effective and practical to use.

NuLab offers a range of industrial and cleaning products in a variety of sizes

- **Triton HD** – our flagship product. Heavy duty industrial degreaser.
- **Autoshine** – Environmentally friendly truck and vehicle wash.
- **SuperGritt** – Heavy duty hand cleaner with grit.
- **NuSan** – Surface disinfectant, anti-bacterial.
- **NuBac** – Heavy duty degreasing disinfectant.
- **BioSan** – Alcohol based hand sanitizer.
- **BioSept** – Anti-bacterial liquid hand soap.
- **JanoCID** – Concentrated, anti-bacterial bathroom cleaner.

Quick-break technology

All NuLab degreasers have been specifically formulated to enable the user to dispose of the oil, degreaser and water components in an environmentally acceptable manner. Quick break technology is the removal of oil and cleaning of other dirt and grime, by emulsification, allowing it to rise to the surface of the collection pit or separator, for recovery.



Triton HD

Heavy Duty Industrial Degreaser

Triton HD is the most effective powerful product in degreasing and engine cleaning. This universal, non-flammable super compound has excellent tenacious cleaning properties. Combined with active degreasing agents is particularly suitable for the cleaning of tar, oils and greases from all solid surfaces.

Triton HD has a wide range of applications and can be used to clean the following

- ✓ Mining and earthmoving machinery
- ✓ Agricultural and industrial machinery
- ✓ Engines, gearboxes and chassis
- ✓ Trucks, cars and buses
- ✓ Workshop floors and driveways
- ✓ Parts washing and bath degreasing
- ✓ Pressure washing
- ✓ Boats, engines and bilges
- ✓ Washroom and canteen floors
- ✓ Kitchen appliances

Dilution:

Application	Dilution	Application	Dilution
Engines/Parts	1:4	Boiler Fuel	1:6
Pressure Washers	1:20	Dip Tanks	1:10
Soil Remediation	1:10	Foam Machines	1:5
Mining Equipment	1:4	Concrete	1:10
Carbon Removal	1:6	Grease Traps	1:5
Floor Scrubbers	1:40	Floor Stripping	1:8
Ink/Graffiti	1:5	Cutting Oils	1:5
Hydraulic Fluid	1:5	Bilge water	1:5
Flux removal	1:10	Solid grease	1:5
Gear greases	1:5	Tar/Asphalt	1:5

Properties Of Material:

Chemical Type:	Biocide
Appearance	Red
Odor	Mild/Solvent
Flash Point C(F)	N/A
PH	10.5



Direction of use

Hard Surfaces

1. Test an inconspicuous spot for surface compatibility
2. For best results, wet area to cool surface before applying
3. Spray directly onto surface , from bottom to top
4. For extremely soiled surface, agitate with soft brush
5. Allow contact for 10 seconds for sanitising purposes or up to 45 seconds for disinfecting purposes
6. For extremely soiled surface, agitate with soft brush
7. Hose off thoroughly with water
8. Dry surface immediately with a clean, soft towel

Storage

Product should be ideally stored in cool, dry location in unopened containers at a temperature between 8 C and 28 C. optimal storage is at the lower half of this temperature range.

To prevent contamination of unused product, do not return any material to its original container

Safety & Precautions

- ✓ Avoid contact with the eyes. If contacted , open eyelids and flush with plenty water.
- ✓ Skin irritation is not an expected route of exposure. If irritation occurs, rinse with plenty of amount of water.
- ✓ If swallowed rinse with mouth at once and drink large amount of water.
- ✓ Do not induce vomiting

Ordering Codes:

Size	Part Number
5L	THD005
20L	THD020
25L	THD025
210L	THD210
1000L	THD1000



AutoShine

Heavy Duty Truck & Vehicle Wash

Super concentrated, fast acting heavy duty cleaning detergent and powerful sanitizer. AutoShine is a non-phosphorous, environmental –friendly, automotive cleaner designed to remove a wide range of soils, oil, grease, dust and carbon from vehicles and mobile machinery without causing damage. This powerful cleaner can be used with dispensers, foamers and pressure cleaner

Ideal for:

- ✓ Mining and earthmoving machinery
- ✓ Agricultural and industrial machinery
- ✓ Trucks cars and buses
- ✓ Pressure washing
- ✓ Parts washing and bath degreasing

Dilution:

Application	Ratio/Dilution
Heavy Duty Cleaning/Disinfecting	1part product: 10 part water
Clean & Sanitise (Maintenance)	1part product: 20 part water

Storage

Product should be ideally stored in cool, dry location in unopened containers at a temperature between 8 C and 28 C. optimal storage is at the lower half of this temperature range.
To prevent contamination of unused product, do not return any material to its original container

Safety & Precautions

- ✓ Avoid contact with the eyes. If contacted , open eyelids and flush with plenty water.
- ✓ Skin irritation is not an expected route of exposure. If irritation occurs, rinse with plenty of amount of water.
- ✓ If swallowed rinse with mouth at once and drink large amount of water.
- ✓ Do not induce vomiting

Direction of use

Hard Surfaces

1. Test an inconspicuous spot for surface compatibility
2. For best results, wet area to cool surface before applying
3. Spray product directly on surface , from bottom to top
4. For extremely soiled surface, agitate with soft cloth
5. Allow surface contact for 10 seconds for sanitising purposes or up to 45 seconds for disinfecting purposes
6. For extremely soiled surface, agitate with soft cloth
7. Hose of thoroughly with water
8. Dry surface immediately with a clean, soft towel

Properties Of Material:

Chemical Type:	Alkaline/Disinfectant
Appearance	Red, Clear Liquid
Odor	Mild/Solvent
Flash Point C(F)	N/A
PH	7

Ordering Codes:

Size	Part Number
5L	ASH005
20L	ASH020
25L	ASH025
210L	ASH210
1000L	ASH100

SuperGritt

Hand Cleaner with Grit

SuperGritt Heavy Duty Hand Cleaner is a premium, industrial strength hand wash containing an active chelating ingredient that binds with common heavy metals, allowing them to be washed away with water. Its solvent-free formula neutralises strong workshop odours and kills a broad array of bacterial germs without stinging or burning cuts, scrapes, and open wounds, leaving skin feeling smooth and smelling pleasant.

SuperGritt Hand Cleaner removes the toughest soils, including grease, paint, ink, oil, and industrial carbons, without causing dryness or cracked nails like other industrial soaps. Its ultra-fine exfoliating particles will soften hard-working hands without scratching or irritating sensitive skin, washing easily away without banking up in sinks and drains. Highly recommended for industrial workshops and manufacturing facilities.

Direction of use:

To ensure complete removal of heavy metal residues, using a generous amount of hand cleaner on wet or dry hands, wash/scrub hands and body for at least 15 – 20 seconds. Rinse and repeat the process for a thorough clean.

The following heavy metals will be removed after careful washing:

- ✓ Lead
- ✓ Gold
- ✓ Copper
- ✓ Silver
- ✓ Cadmium
- ✓ Gallium
- ✓ Aluminium
- ✓ Zinc
- ✓ Mercury
- ✓ Cobalt

Safety & Precautions

- ✓ Avoid contact with the eyes. If contacted , open eyelids and flush with plenty water.
- ✓ Skin irritation is not an expected route of exposure. If irritation occurs, rinse with plenty of amount of water.
- ✓ If swallowed rinse with mouth at once and drink large amount of water.
- ✓ Do not induce vomiting



Features & Benefits

- ✓ Reduced time wastage and hygiene costs.
- ✓ Improved health and safety practice.
- ✓ More contented staff with less skin related problems.
- ✓ Improved environmental friendliness.
- ✓ Will not block drains or cause sitting

Properties Of Material:

Chemical Type:	Alkaline/Disinfectant
Appearance	Orange Paste
Odor	Mild/Solvent
Flash Point C(F)	N/A
PH	7

Ordering Codes:

Size	Part Number
1Kg	HCG001
2Kg	HCG002
5Kg	HCG005
20Kg	HCG020
25Kg	HCG025

Storage

Product should be ideally stored in cool, dry location in unopened containers at a temperature between 8 C and 28 C. optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container

NuSan

Surface Disinfectant

NuSan is a concentrated, one-operation, cleaner, deodoriser, disinfectant having a maximum QAC spectrum. It is a blend of highly effective quaternary ammonium compounds, together with a balanced system of detergents and sequestering agents. In addition to superior cleaning and disinfecting properties, it has the deodorising properties common to many QAC products. NuSan has also found application as a hand dip with antibacterial properties.

NuSan is used as a disinfectant for hard surfaces and equipment found in :

- Meat Processing Plants
- Abattoirs
- Fruit Juice Plants
- Veterinary Clinics
- Public Buildings and Factories.



Properties Of Material:

APPEARANCE	: Clear liquid.
ODOUR	: Typical QAC.
SG AT 20°C	: 1,00.
FLAMMABILITY	: Not Flammable
pH	: 9.5 - 11.5.

SAFETY PRECAUTIONS

At normal use dilutions, Nusan is non-corrosive, non-staining, non-toxic and non-irritating to normal skin.

ACUTE ORAL TOXICITY

The LD50 on white rats is +- 3,0 grams per kilo bodyweight. Table salt has an LD50 of about 5 grams per kilo bodyweight.

Microbiological Data

When tested in accordance with the standard specification for QAC disinfectants, NuSan performed as follows:

TEST ORGANISM	HIGHEST DILUTION REQUIRED TO ACHIEVE 99,9% KILL IN 5 MINUTES
Escherichia Coli	1:30
Staphylococcus Aureus	1:130
Pseudomonas Aeruginosa	1:20

QAC'S have a broad spectrum of antibacterial effectiveness against a wide variety of micro organisms. Some of the organisms against which QAC's are effective at low dilutions are as follows:

- Salmonella Schottmuelleri.
- Salmonella Typhosa.
- Shigella Sonnei.
- Streptococcus Faecalis.
- Streptococcus Pyogenes C-203.
- Streptococcus Viridans.
- Klebsiella Pneumoniae.
- Brucella Abortus.
- Proeus Vulgaris.
- Salmonella Gallinarum.
- Salmonella Pullorum.
- Salmonella Typhimurium.

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METHOD OF APPLICATION

All equipment should be thoroughly rinsed with clean water prior to treatment in order to remove as much soil and organic matter as possible. For all food service and processing equipment, use at a dilution of 100 mls per litre of water.

Product is ideally applied via a pressurised spray. Allow a contact time of 5 minutes. Post rinsing is not necessary.

Note:

In common with all QAC detergents, Nusan is cationic and is therefore not compatible with normal anionic detergents and soaps.

HEALTH AND SAFETY PRECAUTIONS

SKIN AND EYES

NuSan is very soluble in water. Splashes of NuSan HD on the skin or in the eyes should immediately be washed out with copious volumes of water or eye wash solutions.

After removal from the skin, a barrier cream or moisturising cream should be applied to the affected area. Persons receiving splashes in the eye should seek medical attention after having the above treatment.

INGESTION

In the event of ingestion, immediately drink a large quantity of milk, egg white or gelatine solution. Consult a physician immediately.

SPILLAGE AND DISPOSAL

NuSan HD is quite inert to the normal absorbent materials, e.g. sand, sawdust, etc. Absorb spillage with above mentioned materials and dispose of according to local regulations. Any residues should be rinsed with copious amounts of water.

Empty containers, or used containers should be sealed and returned to the supplier, or dumped at a waste disposal site according to local regulations. If this is not possible, container should be thoroughly rinsed with soap and water and stored well closed until it can be disposed of.

Ordering Codes:

Size	Part Number
5L	NSD005
20L	NSD020
25L	NSD025
210L	NSD210
1000L	NSD1000





BioSan

Alcohol Based Hand Sanitizer

Biosan is an alcohol based hand sanitizer, formulated to kill 99.9% of all known germs. It contains 70 % denatured ethanol with emollient which provides special skin protection and hand friendly moisturisers. This product does not contain perfumes & dyes.

Features & Benefits

- ✓ Suitable for Healthcare, Schools, Workplace & any other environments where cross-contamination can occur
- ✓ Kills up to 99,9 % bacteria & all known germs, which can cause infection or contamination
- ✓ Rubbing type hygiene sanitizer
- ✓ No water / towels required
- ✓ No rinsing required
- ✓ Easy to use
- ✓ Dries quickly
- ✓ Fast acting
- ✓ Nourishes the skin instead of dehydrating it

Properties Of Material:

Chemical Type:	Alcohol
Appearance	Clear Liquid
Odor	Alcohol/Strong
Flash Point C(F)	Flammable
PH	7.5 – 8.5

Ordering Codes:

Size	Part Number
1L	HHS001
5L	HHS005
20L	HHS020
25L	HHS025
210L	HHS210
1000L	HHS1000

Storage

Product should be ideally stored in cool, dry location in unopened containers at a temperature between 8 C and 28 C. optimal storage is at the lower half of this temperature range.

To prevent contamination of unused product, do not return any material to its original container

Direction of Use

Apply a small amount of hand sanitizing liquid, approximately 7 – 10 ml.

Rub hands together until dry, ensuring that the entire surface area has been covered.

Heavily soiled hands needs to be washed with antibacterial hand soap first, to ensure efficient sanitizing.

Safety & Precautions

- ✓ Avoid contact with the eyes. If contacted , open eyelids and flush with plenty water.
- ✓ Skin irritation is not an expected route of exposure. If irritation occurs, rinse with plenty of amount of water.
- ✓ If swallowed rinse with mouth at once and drink large amount of water.
- ✓ Do not induce vomiting

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BioSept

Anti-bacterial Liquid Hand Soap

BioSept is a high quality soap recommended for use by plant personnel in the food, meat, beverage, dairy and fish processing industries. This especially applies to high risk areas. **BioSept** can also be used where a high level of hygiene is necessary such as hospitals, nursing homes, clinics, veterinary clinics, funeral homes, old age homes, schools, as well as food preparation areas in hotels, restaurants and catering establishments.

Benefits & Features:

- ✓ Contains no solvents or harsh chemicals
- ✓ Biodegradable, antibacterial liquid
- ✓ Mild & gentle on hands
- ✓ Suitable for children & sensitive skin
- ✓ Concentrated liquid, economical in use
- ✓ For use in hard, soft, hot or cold water
- ✓ Will not taint when used in food preparation areas
- ✓ Can be used in soap dispensers

Properties Of Material:

Chemical Type:	Alkaline/Disinfectant
Appearance	Blue Viscous Liquid
Odor	Mild
Flash Point C(F)	N/A
PH	7

Ordering Codes:

Size	Part Number
1L	AHS001
5L	AHS005
20L	AHS020
25L	AHS025
210L	AHS210
1000L	AHS1000



Direction of use

Apply neat to hands & rub in well covering entire surface area.
Mix with a small amount of water & wash hands in a normal manner.
Rinse with warm or cold water.
Dry hands thoroughly

Safety & Precautions

- ✓ Do not use with other detergents
- ✓ Avoid direct contact with the eyes. If contacted, open eyelids and flush with plenty water.
- ✓ Skin irritation is not an expected route of exposure. If irritation occurs, rinse with plenty of amount of water.
- ✓ If swallowed rinse with mouth at once and drink large amount of water. Do not induce vomiting
- ✓ Do not allow concentrate to come into contact with food
- ✓ Keep out of the reach of children

Storage

Product should be ideally stored in cool, dry location in unopened containers at a temperature between 8 C and 28 C. optimal storage is at the lower half of this temperature range.
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NuBac

Heavy Duty Degreasing Disinfectant

Nubac is our Environmental-friendly, heavy duty industrial strength degreaser, cleaner and disinfectant SANS 1836 and EN tested , Nubac is suitable for use in sensitive areas such as food production and processing, mining, hospitality, forestry or marine environments. It contains no hazardous or toxic ingredients, or harsh chemicals

Ideal for:

- Food manufacturing
- Kitchen Appliances
- Washroom and canteens floors
- Commercial floor scrubbers
- Agricultural and industrial machinery
- Pressure washing
- Mining and earthmoving equipment
- Engine, gearboxes and chassis
- Trucks, cars and busses
- Workshop floors and driveways

Dilution:

Application	Ratio/Dilution
Heavy Duty Cleaning/Disinfecting	1part product: 10 part water
Clean & Sanitise (Maintenance)	1part product: 20 part water

Properties Of Material:

Chemical Type:	Alkaline/Disinfectant
Appearance	Yellow, Clear Liquid
Odor	Mild/Solvent
Flash Point C(F)	N/A
PH	12

Ordering Codes:

Size	Part Number
5L	NUB005
20L	NUB020
25L	NUB025
210L	NUB210
1000l	NUB1000



Direction of use

Hard Surfaces

1. Test an inconspicuous spot for surface compatibility
2. For best results, wet area to cool surface before applying
3. Spray product directly on surface , from bottom to top
4. For extremely soiled surface, agitate with soft brush
5. Allow surface contact for 10 seconds for sanitising purposes or up to 45 seconds for disinfecting purposes
6. For extremely soiled surface, agitate with soft brush
7. Hose off thoroughly with water
8. Dry surface immediately with a clean, soft towel

Carpets & Upholstery

Vacuum carpets to remove loose soils. Prepare a solution of 1 part Nubac to 10 parts warm water if carpet is heavily soiled. After scrubbing, pick up the excess moisture with a wet-and-dry vacuum machine brushing in one direction. Wait to dry before replacing furniture and equipment.

Laundry

Add Nubac as an adjunct to the main wash to enhance the removal of oily soils and for disinfecting purposes.. Dosage levels will depend on the degree of soiling and may range between 5ml-100ml of concentrate per load.



JanoCid

Concentrated Bathroom Cleaner

A super strength acid base cleaner and disinfectant for daily and heavy duty cleaning tasks. JanoCid combines antimicrobial action with an outstanding removal of limescale, grease and grime. Ideal for schools, public areas, nursing homes, hospitals, public washrooms and other areas where cleaning, de-liming and disinfection is needed

Features & Benefits

- ✓ Powerful formula dissolves uric acid stains and lime scale.
- ✓ Heavy scented, multi-purpose and cost effective hard surface cleaner
- ✓ Quickly removes rust, dissolves organic stains and eliminates hard water residue
- ✓ Kills odours, germs and bacteria at source.
- ✓ Leaves surfaces clean, fresh and shining

Direction of use

1. For initial cleaning of bowls, tiles and urinals dilute with up to 10 parts of water and for regular maintenance up to 20 parts of water. **Always add product to water**
2. Apply diluted JanoCid to the surface to be cleaned
3. Make sure you allow the cleaner to sit for at least five minutes to penetrate deep stains
4. Agitate lightly with a cloth, brush, sponge, or mop.
5. Rinse thoroughly with water and wipe with clean cloth
6. Do not let product dry out
7. **Toilet bowls & Urinals** : Remove screens or strainers. Pour undiluted product directly into toilet bowl, leave over night. Flush excess product.
8. Avoid contact with chrome, brass, decorative metal surfaces, marble, clothing, carpeting, toilet seat and lid
9. More severe stains may require a repeat treatment

Properties Of Material:

Chemical Type:	Acidic
Appearance	Burned Orange
Odor	Fragranced
Specific Gravity	1.16
pH	< 2

Ordering Codes

Size	Part Number
5L	JAN005
20L	JAN020
25L	JAN025
210L	JAN210
1000l	JAN1000

Safety & Precautions

- ✓ Avoid contact with the eyes. If contacted , open eyelids and flush with plenty water.
- ✓ Skin irritation is not an expected route of exposure. If irritation occurs, rinse with plenty of amount of water.
- ✓ If swallowed rinse with mouth at once and drink large amount of water.
- ✓ Do not induce vomiting

Storage

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At NuLab,

We strive for excellence by focussing on continuous chemical research and using intelligent formulation & application techniques in order to produce the highest quality chemical product formulas.

we aim to maintain our high standard of quality products, and ensure their industrial & commercial cleaning strength for our clients, while keeping it cost effective & practical.

Committing ourselves to sustaining client & stakeholder values and passionately invest time to listen, understand and respond to their unique & specific cleaning and hygiene requirements.

In partnering with our customers & pursuing innovation in everything we do, to make their lives simpler and more profitable, we aim to exceed their expectations every time.

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