

## SINTAN® degreaser

SINTAN® is our patented solution and a truly unique product. We are its sole manufacturer on an international scale. It is extremely effective, fully biodegradable and therefore safe for the user and the environment.

Sintan® is used wherever there are petroleum products. It is safe to use on such surfaces as: bricks, pavements, concrete, asphalt, carpets, plastics, stone, glass, wood as well as all metals. It is also ideal for cleaning clothes.

The composition of Sintan® ensures safety for the user, there is no need to use neither gloves, nor special masks. It is safe for the user, for the environment and, of course, for the surfaces to be cleaned. Furthermore it penetrates the deeper layers of porous surfaces giving a much better result.



## WHAT MAKES SINTAN® UNIQUE

- It is pH neutral (pH ca. 7),
- SINTAN® thoroughly penetrates the bed and removes oil contaminations from deeper layers of porous surfaces,
- It does not contain any organic solvents and other toxic and dangerous substances,
- It can be used in confined spaces,
- It is non-flammable,
- It does not contain additives which could influence the environment—e.g. nitrogen and phosphorus salts,
- SINTAN® biodegrades in a short time (about 7 days),
- It has no perfumes,
- It is a ready to use product – always at hand,
- SINTAN® does not form stable emulsions with oil and oil derivatives, and thus does not interfere with oil separators,
- It has a set of reference letters beginning from Fire Fighting Units, ending on transportation companies and most recognizable petrol corporations in Poland.

## **APPLICATIONS OF SINTAN®**

### **I. THE HEAVY INDUSTRY**

- **Ironworks and glassworks**
  - **Power stations**
  - **CHP Plants**
  - **Electrical Power Plants**
  - **Mines**
  - **Gas Compressor Stations**
  - **Paint factories**
  - **Constructions**
  - **All sorts of other works and plants**
- 1. In production halls**
    - Cleaning dirty and greasy machinery, appliances, production lines, leaking hydraulic systems, transportation routes etc.
    - Washing injection molding machines,
    - Mold washing and degreasing before the production process,
    - Degreasing all hard surfaces prior to painting, galvanization.
    - Degreasing electronic components and circuits before soldering
    - Degreasing tank valves and other gas containers before charging (filling) them with gas
    - Removing greasy stains from workwear.
  - 2. In warehouses**
    - Cleaning dirty and greasy worklifts, forklifts and other handling equipment,
    - Drum and oil tank degreasing
    - Cleaning dirty or greasy shelves, racks, stands that were contaminated by leaky packaging.
  - 3. Transportation related areas where goods are loaded and unloaded**
    - Removing oil marks/stains left by trucks
    - Cleaning dock levelers.
  - 4. In buildings related to power engineering**
    - Cleaning and degreasing transformers and the housing of their energy supplying components and sumps,
    - Cleaning the hard surface under transformers,
    - Cleaning the outer housing of containers that collect steam,
    - Cleaning sedimentation tanks and other components that collect waste generated in energy production.
  - 5. In buildings related with wastewater installations**
    - Cleaning and degreasing machinery, compressors and tanks,
    - When servicing oil separators/ settling tanks and wastewater treatment facilities.
  - 6. Public administration facilities**
    - Cleaning oil boilers,

- Cleaning air conditioning and ventilation devices,
- Removing oil spills on parking lots and transportation routes,
- Removing oil and grease stains from carpets and rugs.

## **II. PETROLEUM SECTOR**

1. Refineries, fuel terminals and storage facilities.
2. Pipelines and tank transport.
3. Petrol Stations.

- Installation degreasing
- Spillage cleaning
- Warehouse cleaning
- Tank truck cleaning
- Removing oil spills in loading and unloading areas
- Cleaning fuel distributors and all their elements
- Cleaning petrol stations and their surroundings.

## **III. FOOD INDUSTRY:**

- Plants that manufacture oils, margarines and butter,
- Meat processing facilities, butchers,
- Bakeries and confectioneries,
- Dairy Companies (Creameries),
- Other related places that make food like: Hotels, Canteens, Bars, Fast Food Restaurants.

### **Used/applied when:**

- Degreasing production lines of food products,
- Washing/cleaning tanks used for storing components in food manufacturing,
- Cleaning greasy oil feeding rollers,
- Cleaning baking molds
- Cleaning tables and floors at restaurants, bars and canteens.

## **IV. TRANSPORTATION, LOGISTICS AND CAR WORKSHOPS**

- Bus, truck, tram and tank truck washing on the exterior and interior,
- Cleaning greasy oil spills on parking lots, on loading and unloading platforms,
- ADR equipment kits,
- Maintaining cleanliness in the showroom,
- Cleaning workshop surfaces,
- Cleaning dirty and greasy engines and other parts,
- Cleaning car upholstery.

## **V. AIRPORTS, DOCKS, SHIPYARDS, PIERS**

- Cleaning the entire infrastructure, equipment and containers,
- Cleaning workshop areas,
- Cleaning boat ferries, ships,
- Cleaning vehicles and tanks,
- Removing petroleum spills from airplane refueling areas,

- Cleanliness upkeep of pier infrastructure so that petroleum substances do not come into contact with water,
- Cleaning oil spillage on houseboats, marinas, when refueling boats,

## **VI. CHEMICAL RESCUE**

Rescue operations lead by Fire Fighting Units

- Degreasing hard surfaces after petroleum spillage,
- Restoring the initial roughness of road surfaces: asphalt, concrete, stone etc.,

## **VII. OTHER**

### **1. Road construction**

- Cleaning acoustic barriers,
- Cleaning roadside posts and warning signs,
- Cleaning vehicles that transport bitumen and other equipment used in road construction – cleaning all sorts of hydraulic oil machines,
- Track ballast cleaning,
- Restoring the initial roughness of road surfaces: asphalt, concrete, stone etc.

### **2. Military Units/facilities (warehouses, supplies, workshops, environmental protection, maintenance)**

- Warehouse, workshop cleanliness upkeep,
- Cleaning racks, stands, shelves, drums and other oil containers as well as settling tanks, grit chambers,
- Cleaning ventilation devices,
- Washing the body and chassis of combat vehicles.

### **3. Shopping Malls/ Shopping Centers**

- Maintaining shop, exhibition hall, stand, shelf, storage cleanliness,
- Removing greasy or oily stains/marks from parking lots.

### **4. Candle and paraffin manufacturers as well as marble and granite processing**

- degreasing all production and storage surfaces,
- removing wax and paraffin stains from marble, granite,
- gravestone cleaning.

### **5. Local authorities/ Municipal enterprises**

- washing garbage bins as well as containers used for garbage transportation,
- cleaning garbage trucks/waste collection vehicles,
- garbage chute degreasing.

### **6. Household**

- cleaning garages, removing oily or greasy stains on driveways, pavements,
- removing oily and greasy stains from clothes – everything from cotton clothes to silk clothes,
- cleaning walls painted with oil-color,
- cleaning tiles,
- degreasing surfaces prior to painting, galvanization,
- cleaning hoods, gas cookers and other greasy and dusty surfaces in the kitchen,

- cleaning grilling appliances,
- cleaning ovens and toasters,
- washing paintbrushes, brushes and rollers used for applying wax polishes and water-soluble varnishes,
- degreasing surfaces prior to applying synthetic adhesives or silicone.

## **Certifications and acceptance for SINTAN® from independent laboratories in Europe**

- Fresenius Institut-biodegradation Certification
- Polish Ship Salvage Company-certifies main Sintan's characteristics
- Polish Chamber of Foreign Trade-certifies Sintan's characteristics
- Europeisches Institut fuer Sanierung, Sicherheit, Versicherung und Umwelttechnik-this document certifies Sintan's pH.
- Public Hygiene Establishment-certified that they product is safe for the environment and humans
- Certificate of Health Quality from the Polish National Institute of Public Health – Department of Food Safety – certifies Sintan's non-hazardousness to human health.

### **SUMMARY OF SINTAN'S® ADVANTAGES:**

- **It is pH neutral (pH ca. 7),**
- **Sintan® thoroughly penetrates the bed and removes oil contaminations from deeper layers of porous surfaces,**
- **It is non-toxic which means it can be used in confined spaces,**
- **It is a ready to use product – always at hand**
- **It is non-flammable,**
- **Safe for the user, for the environment and surfaces to be cleaned,**
- **It professionally cleans oil, grease or fat build-up as well as oil spillages.**
- **It is safe to use on such surfaces as: bricks, concrete, pavement, asphalt, carpets, plastics, stone, glass, wood as well as all metals,**
- **Does not contain perfume,**
- **Sintan® biodegrades in a short time (about 7 days),**
- **it has a set of reference letters beginning from Fire Fighting Units, ending on transportation companies and most recognizable petrol corporations in Poland.**