

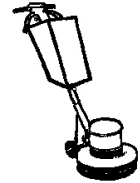


TECHNICAL DATA SHEET

CHARGE

Detergent-Degreaser Concentrate

DESCRIPTION: Heavy duty all purpose liquid detergent degreaser concentrate. For every industrial-institutional cleaning job. Recommended for use in automatic floor machines and pressure washing equipment.



Advantages:

Non flammable. Non toxic. Rust inhibited.

Contains no caustic.

No heat on dilution.

Excellent for washing surfaces by hand.

Easily removes grease, oil, wax, gum, dirt, ink, carbon, and other tough-to-remove soils.

CAUTION

**MAY CAUSE IRRITATION TO EYES
MAY BE HARMFUL IF SWALLOWED
KEEP OUT OF REACH OF CHILDREN**

Specifications:

Physical Form	Clear liquid
Color	Blue
Scent	Lemon
Specific Gravity	1.09
Density	9.09 lbs. per gallon
Foam Test	Initial — 100mm
1% Solution	5 minutes — 70mm
pH 2%	11.47
Active Alkalinity	3.22%
Total Alkalinity	4.61%
Total Solids	16.1%
Biodegradable	YES

Directions:

Use on: Painted walls, plastics, rubber, porcelain, satin finish aluminum, stainless steel, enameled surfaces, white sidewall tires, floors (composition, concrete, wood, terrazzo, asphalt tile). Also for cleaning automobiles, trucks, buses, boats, and for spot cleaning synthetic carpets.

Do not allow cleaning solution to dry on glass or bright aluminum.

Cannot be used on all surfaces that can be washed with water. If you are in doubt, try on a small, inconspicuous place before proceeding.

Soaking is important if the stain, dirt, oil, or grease is caked on the surface. Any vertical surface should be washed bottom to top.

USES AND RECOMMENDED

DILUTIONS	
AIR CONDITIONING	
DUCTS, GRILLS, FILTERS	1 TO 30
CHAIRS	1 TO 30
CONCRETE FLOORS	1 TO 30
DESK TOPS	1 TO 40
Badly stained desk tops	1 TO 30
ENAMELED WALL	1 TO 40
FLAT WALLS	1 TO 30
ENGINES	1 TO 10
EXHAUST AND FLUES	1 TO 10
FILING CABINETS	1 TO 40
KITCHEN OVENS, GRILLS	1 TO 10
KITCHEN WALLS, CEILINGS, TILE	1 TO 40
Badly stained	1 TO 30
LATHES	1 TO 20
LAVATORY FIXTURES	1 TO 40
LIGHT FIXTURES	1 TO 30
LINOLEUM, ASPHALT, RUBBER & COMPOSITION FLOOR	1 TO 40
In bad condition	1 TO 30
MACHINERY	1 TO 20
MILLING MACHINE	1 TO 20
OIL SUMPS	1 TO 10
PLASTICS	1 TO 40
Badly stained	1 TO 30
REFRIGERATORS	1 TO 40
RUBBER MATS	1 TO 40
SERVING CARTS & TRAYS	1 TO 30
STAINLESS STEEL & ALUMINUM	1 TO 40
Badly stained	1 TO 30
TABLE TOPS	1 TO 30
TOOLS - Soak in	1 TO 10
TERRAZZO, TILE, MARBLE	1 TO 30
WAX - On mop boards	1 TO 20
WAX STRIP	1 TO 15
With machine	1 TO 20
WHITEWALL TIRES	1 TO 10
WOOD FLOORS	1 TO 40

The following is sufficiently accurate:
 1 to 40 = 3 fl. oz. per gal. water
 1 to 30 = 4 fl. oz. per gal. water
 1 to 20 = 6 fl. oz. per gal. water
 1 to 10 = 12 fl. Oz. per gal. water

Shipping Weight in pounds:

5 Gallon Plastic Pail 48.4 pounds
 Case 4 Plastic Gallons 39.0 pounds



MATERIAL SAFETY DATA SHEET

Prepared According to 29 CFR 1910, 1200

N/A (Not Applicable) N/E (Not Established)

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: Charge
GENERIC NAME: Detergent Degreaser Concentrate

CHEMICAL FAMILY: Liquid Mixture
PROPER SHIPPING NAME: Not regulated

HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HEALTH _____ 2
FLAMMABILITY _____ 0
REACTIVITY _____ 0
PERSONAL PROTECTION _____ B

HAZARD RATING

4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS#	TLV	% WT (OPT)
Sodium metasilicate	6834-92-0	1mg/m3	<2%
Sodium Nitrilotriacetate	18662-53-8	N/E	<5%

SECTION III - PHYSICAL DATA

PHYSICAL DESCRIPTION:
Clear blue liquid, Lemon scent
BOILING RANGE (°F): >200°F
VAPOR PRESSURE: N/E
% VOLATILE: N/A
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.09
EVAPORATION RATE: N/E
pH: @2% 11.47

SECTION IV - SPECIAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: None normally required
PROTECTIVE GLOVES: Impervious
EYE PROTECTION: Splash goggles recommended
VENTILATION: Room ventilation is normally adequate
OTHER PROTECTIVE EQUIPMENT: Sufficient to prevent skin contact.
Eyewash and shower located near the workplace.

SECTION V - REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY (Materials to Avoid): Strong acids and oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION:
Will not occur

SECTION VI - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Non flammable
UPPER EXPLOSIVE LIMIT: N/A **LOWER EXPLOSIVE LIMIT:** N/A
EXTINGUISHING MEDIA: Use the appropriate extinguishing media for the surrounding fire
SPECIAL FIRE FIGHTING PROCEDURES: Self contained breathing apparatus
And full protective clothing should be worn when fighting fires involving chemicals.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION VIII - HEALTH HAZARDS

EFFECTS OF OVEREXPOSURE (Primary Route of Entry)
SKIN: Irritant
EYES: Irritant
INHALATION: Irritant

CARCINOGENS: Sodium Nitrilotriacetate

NTP: X OSHA: IARC: X ACGIH:
OTHER:

SECTION VII - FIRST AID

EYES: Immediately flush with water for at least 15 minutes, be sure to keep eyelids opened. Consult a physician if irritation persists.

SKIN: Flush with water for at least 15 minutes. Wash contaminated clothing before wearing. Get medical attention if irritation persists.

INGESTION: If ingested, give large quantities of water. INDUCE VOMITING.
Get immediate medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: Remove victim to fresh air. If person is having difficulty in breathing, perform artificial respiration and get immediate medical attention.

SECTION IX - STORAGE AND HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Use common sense and sound industrial hygiene practices when handling this material as well as any other materials. Keep container closed when not in use. Wash hands after handling. Keep out of reach of children. Wear appropriate personal protection to avoid eye and skin contact.

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WARSAW, IN 46581
574-267-3251 FAX 574-267-3884

SECTION X - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear necessary personal protective equipment. Evacuate all unnecessary personnel. Dike area to prevent spreading of the spilled material. Cover with an inert absorbent (sand, clay, etc.), shovel into appropriate containers, and dispose of in accordance with federal, state, and local regulations.

EMPTY CONTAINERS DISPOSAL: Any disposal practices must be in compliance with federal, state and local laws. Any questions regarding disposal should be directed to the proper government agency.