



Heavy Duty Floor Cleaner

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Heavy Duty Floor Cleaner
SDS Number: 10150
Revision Date: 11/20/2018
Product Description: Highly concentrated commercial detergent
Product Use: For use in commercial automatic floor scrubbing machines
Supplier Details: Winsol Laboratories Inc
1417 NW 51st St
Seattle, WA 98107
Emergency: INFOTRAC 1-800-535-5053 (North America); 1-352-323-3500 (International)
Phone: 206-782-5500
Web: www.winsol.com

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 4 Oral
Health, Acute toxicity, 5 Dermal
Health, Skin corrosion/irritation, 1 C
Health, Serious Eye Damage/Eye Irritation, 1

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H302 - Harmful if swallowed
H313 - May be harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P103 - Read label before use.
P260 - Do not breathe fume/gas/mist/vapors/spray.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 - IF SWALLOWED: May cause gastrointestinal irritation. Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
P302 - IF ON SKIN: Prolonged or repeated and confined exposure may cause skin irritation. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing and footwear before reuse.
P304 - IF INHALED: Remove to fresh air.
P305 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.
P403+233 - Store in cool/dry area. Keep container tightly closed.
P501 - Dispose of contents/container in accordance with Federal, Provincial and Local Government requirements.



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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
1300-72-7	10-15%	Benzenesulfonic acid, dimethyl-, sodium salt
7320-34-5	.5-2%	Diphosphoric acid, tetrapotassium salt
34590-94-8	5-10%	Dipropylene glycol methyl ether
60-00-4	.5-2%	Ethylenediamine-tetraacetic acid
20592-85-2	.5-2%	Phosphonic acid, [nitrilotris(methylene)]tris-, sodium salt
6834-92-0	1-5%	Silicic acid (H ₂ SiO ₃), disodium salt

The exact percentage (or concentration) of ingredients has been withheld as a trade secret.

Composition Comments: Components and trace elements not listed are either non-hazardous or are below reportable limits.

4 FIRST AID MEASURES

Inhalation:	Remove to fresh air.
Skin Contact:	Prolonged or repeated and confined exposure may cause skin irritation. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing and footwear before reuse.
Eye Contact:	Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.
Ingestion:	May cause gastrointestinal irritation. Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

5 FIRE FIGHTING MEASURES

Flammability:	NON-FLAMMABLE
Flash Point:	N/A
LEL:	N/A
UEL:	N/A

EXTINGUISHING MEDIA: Water

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode.

6 ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to labeled containers.

LARGE SPILL: Stop spill at source, dike area of spill to prevent spreading, pump liquid into salvage tank. Remaining liquid may be taken up on sand, clay, floor absorbent or other absorbent material and shoveled into labeled containers.

WASTE DISPOSAL METHOD: Review Federal, Provincial and Local Government requirements prior to disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Exercise care and caution. Store in cool dry place.

OTHER PRECAUTIONS: Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid and/or solids), all hazard precautions given in the data sheet must be observed.

7 HANDLING AND STORAGE

Handling Precautions:	Keep material out of reach of children.
Storage Requirements:	Store in cool/dry area.



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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

RESPIRATORY PROTECTION: If TLV of the product or component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified condition.
Ventilation: Provide general or mechanical ventilation or local exhaust.
PROTECTIVE GLOVES: Use impermeable gloves to prevent skin contact. Use head caps, boots, chemical aprons when necessary.
EYE PROTECTION: Use safety eyewear designed to protect eyes against liquid splash and mists.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use protective clothing to prevent skin contact. Use head caps, boots, chemical aprons when necessary.
WORK/HYGIENIC PRACTICES: Eyewashes and safety showers in the workplace are recommended. Wash hands after using. Monitor exposure levels.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear	Odor:	Mild
Physical State:	Liquid	Solubility:	100% in water
Odor Threshold:	No data available	Freezing/Melting Pt.:	No data available
Spec Grav./Density:	1.06	Flash Point:	No data available
Viscosity:	No data available	Vapor Density:	No data available
Boiling Point:	No data available	Auto-Ignition Temp:	No data available
Flammability:	None	UFL/LFL:	No data available
Partition Coefficient:	No data available		
Vapor Pressure:	No data available		
pH:	14		
Evap. Rate:	No data available		
Decomp Temp:	No data available		

10 STABILITY AND REACTIVITY

Reactivity:	Product is stable under normal conditions.
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	N/A
Materials to Avoid:	Strong Oxidizing Agents, Acids.
Hazardous Decomposition:	Not known.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Benzenesulfonic acid, dimethyl-, sodium salt (1300-72-7):
Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - male and female - \geq 7,200 mg/kg

Inhalation LC50 no data available

Dermal LD50 LD50 Dermal - rabbit - male and female - $>$ 2,000 mg/kg

Other information on acute toxicity

Skin corrosion/irritation: Skin - rabbit - No skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit - Irritating to eyes.

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: Genotoxicity in vitro - Hamster - ovary - with and without metabolic activation - negative

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available



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Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

Repeated dose toxicity - rat - male and female - Dermal - No observed adverse effect level - 763 - 3,534 mg/kg

Repeated dose toxicity - mouse - male - Oral - No observed adverse effect level - \geq 440 mg/kg RTECS: ZE5100000

Diphosphoric acid, tetrapotassium salt (7320-34-5):

Information on toxicological effects

Acute toxicity:

Oral LD50 Inhalation LC50 Dermal LD50 Dermal - rabbit - $>$ 4,640 mg/kg Remarks: Prolonged skin contact may cause skin irritation and/or dermatitis.

Other information on acute toxicity no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information: RTECS: JL6735000

Dipropylene glycol methyl ether (34590-94-8):

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 5,152 mg/kg

Inhalation LC50 no data available

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: Serious eye damage/eye irritation:

Eyes - rabbit - Mild eye irritation - 24 h

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available



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Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.
Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Synergistic effects: no data available
Additional Information: RTECS: JM1575000

Ethylenediamine-tetraacetic acid (60-00-4):
Information on toxicological effects
Acute toxicity:
LD50 Oral - rat - male and female - 4,500 mg/kg
Inhalation: no data available
Dermal: no data available
Skin corrosion/irritation: Skin - rabbit Result: No skin irritation
Serious eye damage/eye irritation: Eyes - rabbit Result: Eye irritation
Respiratory or skin sensitisation: Maximisation Test - rabbit Result: Does not cause skin sensitisation.
Germ cell mutagenicity: no data available

Carcinogenicity:
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available
Specific target organ toxicity - single exposure: no data available
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: no data available
Additional Information: RTECS: AH4025000
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Silicic acid (H₂SiO₃), disodium salt (6834-92-0):
Information on toxicological effects
Acute toxicity:
LD50 Oral - rat - 1,153 mg/kg
Inhalation: no data available
Dermal: no data available
Skin corrosion/irritation: Skin - rabbit Result: Severe skin irritation - 24 h
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitisation: no data available
Germ cell mutagenicity: no data available

Carcinogenicity:
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available
Reproductive toxicity - rat - Oral:
Effects on Newborn: Stillbirth. Effects on Newborn: Live birth index (# fetuses per litter; measured after birth). Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day 4). no data available
Specific target organ toxicity - single exposure: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: no data available
Additional Information: RTECS: VV9275000
burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

Phosphonic acid, [nitrilotris(methylene)]tris-, sodium salt (20592-85-2): no data available



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12 ECOLOGICAL INFORMATION

Benzenesulfonic acid, dimethyl-, sodium salt (1300-72-7):

Information on ecological effects

Toxicity: no data available

Persistence and degradability: Biodegradability aerobic Result: 83 - 85 % - Readily biodegradable. Method: OECD Test Guideline 301B

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Dipropylene glycol methyl ether (34590-94-8):

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - > 10,000 mg/l - 96 h.

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 1,919 mg/l - 48 h.

and other aquatic invertebrates

Persistence and degradability: Biodegradability

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Ethylenediamine-tetraacetic acid (60-00-4):

Information on ecological effects

Toxicity:

Toxicity to fish static test LC50 - Lepomis macrochirus (Bluegill sunfish) - 41 mg/l - 96 h.

Toxicity to daphnia and static test EC50 - Daphnia magna (Water flea) - 625 mg/l - 48 h.

other aquatic invertebrates

Persistence and degradability: Bioaccumulative potential:

Bioaccumulation Lepomis macrochirus - 28 d - 80 µg/l

Bioconcentration factor (BCF): 1.8

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: May be harmful to aquatic organisms due to the shift of the pH. Avoid release to the environment.

Diphosphoric acid, tetrapotassium salt (7320-34-5): no data available

Phosphonic acid, [nitrilotris(methylene)]tris-, sodium salt (20592-85-2): no data available

Silicic acid (H₂SiO₃), disodium salt (6834-92-0): no data available

13 DISPOSAL CONSIDERATIONS

Waste Disposal Method: Review Federal, Provincial and Local Government requirements prior to disposal.

14 TRANSPORT INFORMATION

NA1760, Compounds, cleaning liquid, 8, PGII, (Disodium Trioxosilicate)



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15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

- Benzenesulfonic acid, dimethyl-, sodium salt (1300-72-7) TSCA
- Diphosphoric acid, tetrapotassium salt (7320-34-5) TSCA
- Dipropylene glycol methyl ether (34590-94-8) MASS, OSHAWAC, PA, TSCA, TXAIR
- RQ(5000LBS), Ethylenediamine-tetraacetic acid (60-00-4) CERCLA, CSWHS, HAP, MASS, PA, TSCA
- Phosphonic acid, [nitrilotris(methylene)]tris-, sodium salt (20592-85-2) TSCA
- Silicic acid (H2SiO3), disodium salt (6834-92-0) TSCA

California Prop 65 chemicals: This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

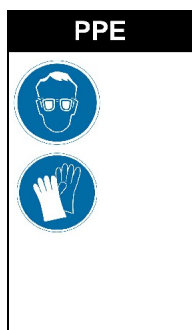
Regulatory CODE Descriptions

- RQ = Reportable Quantity
- TSCA = Toxic Substances Control Act
- MASS = MA Massachusetts Hazardous Substances List
- OSHA = OSHA Workplace Air Contaminants
- PA = PA Right-To-Know List of Hazardous Substances
- TXAIR = TX Air Contaminants with Health Effects Screening Level
- CERCLA = Superfund clean up substance
- CSWHS = Clean Water Act Hazardous substances
- HAP = Hazardous Air Pollutants

16 OTHER INFORMATION

HMIS III: Health = 3, Fire = 0, Physical Hazard = 0
 HMIS PPE: B - Safety Glasses, Gloves

HMIS	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B



HMIS Index: 1-slight , 2-moderate, 3-serious, 4-severe

The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Winsol Laboratories, Inc. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

Sections 11 and 12 are based on composition of 100% raw materials.

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 REVISION DATE: 11/20/18
 REVISIONS: Sections 3, 9, 11, 12, 15