

FLOORSTAR DEGREASER 2

Product: 072

Revision date: 2009/09/10

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Mixture.

Product uses: Degreaser.

Manufacturer: ServiceMaster Clean
3839 Forest Hill-Irene Road
Memphis, TN 38125-2502.

Manufacturer emergency phone number: 800-535-5053.

Product name: FloorStar Degreaser 2

Formula: Not available.

Section 2 : INGREDIENT INFORMATION

CAS#	CONCENTRATION (%)	Ingredient Name	FLY	LD50	LOEL
102-71-6	5-10	TRITETHANOLAMINE	5 MG/KG	4928 UL/KG RAT ORAL 5846 MG/KG MOUSE ORAL 2200 MG/KG RABBIT ORAL > 20 ML/KG RABBIT DERMAL > 16 ML/KG RAT DERMAL > 2000 MG/KG RAT DERMAL	NOT AVAILABLE
1310-58-3	0.5-1.5	POTASSIUM HYDROXIDE	2 MG/KG (CL)	273 MG/MG RAT ORAL	NOT AVAILABLE
34590-94-8	1-5	DIPROPYLENE GLYCOL MONOMETHYL ETHER	100 PPM (SKIN)	5400 MG/KG RAT ORAL 5.3 ML/KG RAT ORAL 10 ML/KG RABBIT DERMAL	> 500 PPM RAT INHALATION
5131-66-8	1-5	PROPYLENE GLYCOL N-BUTYL ETHER	NOT AVAILABLE	5640 UL/KG RAT ORAL 5100 MG/KG RABBIT DERMAL	NOT AVAILABLE
65997-01-5	1-5	SODIUM TALL OIL SOAP (H2D)	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
9016-45-9	1-5	NONYL PHENOL ETHOXYLATE	NOT AVAILABLE	4000 MG/KG RAT ORAL	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: CAS# 102-71-6: LD50 5000 mg/kg rat oral (supplier). This product contains 60-100% water (CAS# 7732-18-5). CAS# 5131-66-8: LD50 3300 mg/kg rat oral. CAS# 34590-94-8: LD50 5130 mg/kg rat oral. CAS# 9016-45-9 LD50 >2000 mg/kg rat oral.

Note: In accordance with OSHA's Hazard Communication Standard, ingredients listed in this section are those identified as being hazardous and present at concentrations greater than 1%, or greater 0.1% if the substance is a listed carcinogen. Information concerning ingredients identified as "Proprietary" will be made available as provided in 29 CFR 1910.1200(i).

Section 3 : HAZARD IDENTIFICATION

Emergency Overview: Clear, dark brown liquid with mild odor.

Corrosive material. May be absorbed through the skin. Harmful if swallowed. May cause burns to eyes, skin, mouth, throat and stomach.

Route of entry: Eye contact, skin contact, skin absorption, inhalation and ingestion.

Effects of acute exposure

Eye contact: May cause blindness. Causes chemical burns.

Skin contact: May be absorbed through the skin. Onset of pain may be delayed. Causes chemical burns.

Inhalation: May irritate respiratory tract.

Ingestion: Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

Effects of chronic exposure: Prolonged or repeated contact may cause drying, defatting and dermatitis.

Sensitization to product: Not a respiratory sensitizer.

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.
Synergistic materials: Not available.

Section 4 : FIRST AID MEASURES

Skin contact: Flush affected area with clean, cool water. Wash with soap and water, rinse thoroughly. If irritation persists or blistering occurs, obtain medical attention.

Eye contact: Immediately flush with cool water. Remove contact lenses, if any, after the initial flushing, and then continue flushing for 15 minutes. Obtain medical attention immediately.

Inhalation: Remove victim to fresh air. If irritation persists, seek medical attention.

Ingestion: Rinse mouth with water several times. Obtain medical attention. Do not induce vomiting. Give 1-2 glasses of water. Never give anything by mouth to an unconscious person.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 5 : FIRE FIGHTING MEASURES

Flammability: Not flammable.

Conditions of flammability: Surrounding fire.

Extinguishing media: Use appropriate extinguishing media for surrounding fire.

Special procedures: Self-contained breathing apparatus required. Firefighters should wear the usual protective gear.

Auto-ignition temperature (°C): Not applicable.

Flash point (°C), method: None

Lower flammability limit (% vol): Not applicable.

Upper flammability limit (% vol): Not applicable.

Explosion Data

Sensitivity to static discharge: Not available.

Sensitivity to mechanical impact: Not available.

Hazardous combustion products: Oxides of nitrogen (NOx). Oxides of carbon (COx). Contact with metals may produce flammable hydrogen gas.

Rate of burning: Not available.

Explosive power: Not available.

Section 6 : ACCIDENTAL RELEASE MEASURES

Leak/Spill: Absorb spill with an inert absorbent material. Prevent entry into drains, sewers, and other waterways. Wear appropriate protective equipment. Place in covered and labelled container.

Section 7 : HANDLING AND STORAGE

Handling procedures and equipment: Avoid breathing vapors/mists. Use adequate ventilation. Wash thoroughly after using, particularly before eating or smoking. Wear personal protective equipment appropriate to task. Keep out of reach of children. Destroy or thoroughly clean contaminated shoes. Avoid contact with skin, eyes and clothing. Do not take internally. Launder contaminated clothing prior to reuse.

Storage requirements: Store away from incompatible materials. Keep containers tightly closed. Store in a cool, dry and well ventilated area.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:



Rubber gloves.
Advice should be sought from glove suppliers.

Respiratory/Type: Not necessary, if adequate ventilation provided.

Eye/Type:



Splash proof chemical goggles.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: As required to prevent skin contact.
Ventilation requirements: General ventilation usually adequate.
Exposure limit of material: Not available for mixture, see the ingredients section.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.
Appearance & odor: Mild odour. Dark brown. Clear.
Odor threshold (ppm): Not available.
Vapour pressure (mmHg): Not available.
Vapour density (air=1): Not available.
Volatiles (%)
By weight: Not available.
Evaporation rate (butyl acetate = 1): Not available, (ether = 1).
Boiling point (°C): Not available.
Freezing point (°C): Not available.
pH: 12.9 - 13.3 (100%)
Specific gravity @ 20 °C: (water = 1), 1.027 - 1.035
Solubility in water (%): Complete.
Coefficient of water/oil dist.: Not available.

Section 10 : STABILITY AND REACTIVITY

Chemical stability: Product is stable under normal handling and storage conditions.
Conditions of instability: Do not mix with other chemicals.
Hazardous polymerization: Not available.
Incompatible substances: Acids Oxidizers. Soft metals.
Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LDS0 of product, species & route: Not available for mixture, see the ingredients section.
LC50 of product, species & route: Not available for mixture, see section 2A.

Section 12 : ECOLOGICAL INFORMATION

Environmental toxicity: No data at this time.

Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal: Dispose in accordance with local, provincial/state, and federal regulations.
Hazardous Waste Classification: Not available.

Section 14 : TRANSPORT INFORMATION

D.O.T. CLASSIFICATION: CORROSIVE LIQUID, BASIC, INORGANIC N.O.S.
(potassium hydroxide)
UN3266
Class 8
PG III.



Section 15 : REGULATORY INFORMATION

WHMIS Regulatory Information

WHMIS classification: E



DSL status: All ingredients are listed on the DSL/NDL.

OSHA Regulatory Information

TSCA inventory: All the chemicals in this product are on the TSCA inventory list or are otherwise exempt from TSCA requirements, such as impurities, by-products and unwanted constituents.

SARA hazard categories: Immediate (Acute) Health Hazard: Yes. Delayed (Chronic) Health Hazard: Yes. Fire Hazard: No. Sudden Release of Pressure: No. sections 311/312: Reactive: No.

SARA Section 313: Diethanolamine (111-42-2). Dipropylene glycol methyl ether (34590-94-8).

CERCLA reportable quantity: Diethanolamine (111-42-2) - 100 lbs. Sodium hydroxide (1310-73-2) - 1000 lbs. Potassium hydroxide (1310-58-3) - 1000 lbs.

CA Proposition 65: None

Section 16: OTHER INFORMATION

Supplier MSDS date: 2009/06/01

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