

MATERIAL SAFETY DATA SHEET

Product and Company Identification



A Division of Superior Solutions Ltd.
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Tel: 1-800-921-5527 www.superiorsols.com

Product Name: SANY+ GLF-412 CARPET CLEANER FOR EXTRACTION CLEANING



Codes: GLF-412-4S4

Material Uses: Industrial applications: Carpet cleaner

24-Hr Emergency Tel: CANUTEC (613) 996-6666 or *666 (on a cellular phone)

Hazardous Ingredients

Ingredients	CAS#	% wt.	LC ₅₀	LD ₅₀
1) Sodium iminodisuccinate	144538-83-0	0.5-1	NA	Acute: >2000 mg/kg (Oral, Rat); >2000 mg/kg (Dermal,Rat)
2) Potassium pyrophosphate	7320-34-5	3-5	NA	Acute: 2980 mg/kg (Oral, Rat); 7940 mg/kg (Dermal, Rabbit)
3) Polyalkyl naphthalene sodium sulfonate	N/D	3-5	NA	NA
4) Ethylene glycol monobutyl ether	111-76-2	3-5	Acute: 486 ppm 4 hrs (Rat), 927 ppm 4 hrs (Mouse)	Acute: 1230 mg/kg (Oral,Mouse); 1480 mg/kg (Oral, Rat); 300 mg/kg

HEALTH	2	0 – Insignificant	 
FLAMMABILITY	0	1 – Slight	
REACTIVITY	0	2 – Moderate	
PERSONAL PROTECTION	B	3 – High 4 – Extreme	



Physical Data

Physical State and Appearance: Liquid (Clear sparkling liquid)

Color: Green (Pantone 7717C))

pH: 8.50 – 9.00 (as is)

Odor: Mint

Odor Threshold: NA

Volatility: NA

Evaporation Rate: NA

Freezing Point: NA

Boiling Point: NA

Specific Gravity: 1.06 – 1.07 (Water = 1)

Vapor Density: NA

Vapor Tension: NA

Log K_{ow}: The product is much more soluble in water.

Ionicity (Surface Active Agent): Anionic

Critical Temperature: NA

Instability Temperature: NA

Conditions of Instability: NA

Dispersion Properties: Soluble in water.

Solubility: Easily soluble in cold or hot water

Fire and Explosion Data

Flammability: Non-flammable

Auto-Ignition Temperature: Not applicable

Products of Combustion: Carbon oxides (CO, CO₂)

Flash Point: Not applicable

Flammable Limits: Not applicable

Extinguishing Media: SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Explosion Data – sensitivity to mechanical

impact: Not applicable

Explosion Data – sensitivity to static discharge:

Not applicable

Reactivity

Stability: Stable

Hazardous Decomposition Products: Carbon oxides (CO, CO₂)

Degradability: NA

Products of Degradation: Carbon oxides (CO, CO₂)

Corrosivity: Non-corrosive

Reactivity: Reactive with acids

Instability Temperature: NA

Conditions of Instability: NA

First Aid Measures

Eye Contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Use TEMPERATE water. If irritation persists, get medical attention

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Use TEMPERATE water. Wash clothing before reuse. Get medical attention. If irritation persists, get medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek medical attention.

Ingestion: Have conscious person drink several glasses of water. Induce vomiting if possible.

NEVER give an unconscious person anything to ingest. Lower the head so that the vomit will not reenter the mouth and throat. GIVE IMMEDIATE MEDICAL ATTENTION.

Preventive Measures

Small Spills and Leaks: Absorb with an inert material and place in an appropriate waste disposal container. Finish cleaning the spill area with running water.

Large Spills: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Dispose of according to local and regional authority requirement.

Personal Protective Equipment: Small Spills: Safety glasses. Polyethylene gloves.

For large spills: Safety glasses. Polyethylene gloves. Rubber boots.

Engineering Controls: Good general ventilation should be sufficient.

Precautions: Avoid breathing vapors or spray mists.

Storage: Keep container tightly closed in a cool, well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

Handling: Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. After handling, always wash hands thoroughly with soap and water.

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Special Shipping Information: Make sure the container is tightly closed.

Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.

TLV: Polyalkyl naphthalene sodium sulfonate
CEIL: 15 (mg/m³) from OSHA (PEL) [United States]

Ethyleneglycol monobutyl ether

TWA: 50 CEIL: 150 (ppm)

TWA: 240 CEIL: 720 (mg/m³)

Consult local authorities for acceptable exposure limits.

Toxicity to Animals: Refer to Hazardous Ingredients

Acute Effects on Humans: Dangerous in case of ingestion. This product may irritate eyes and skin upon contact. Sensitizer for skin.

Chronic Effects on Humans: Sensitizer for skin. The substance is toxic to blood, kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage.

Synergistic Products (Toxicologically): NA
Skin Irritation/Corrosivity: This product may irritate eyes and skin upon contact.

Sensitization: Sensitizer for skin.

Carcinogenic Effects: NA

Toxicity to Reproductive System: NA

Teratogenic Effect: NA

Mutagenic Effect: NA

Regulatory Information

TDG Road/Rail: Not controlled under TDG
(Canada)

WHMIS: Class D-2A: Material causing other
toxic effects (VERY TOXIC)

Preparation Information

Prepared By: GreenLABS QA & Control

Date: March 15, 2016

Tel: 1-800-921-5527

NA = Not available