SAFETY DATA SHEET (SDS)

Section 1. Identification

Product identifier	**GLF-440**
Other means of identification	None
Recommended use and restrictions on use	Toilet bowl cleaner sheet
Initial supplier identifier	Superior Sany Solutions a division of Imperial Dade. 830, St-Pierre Sud Joliette Qc J6E 8R7 Canada T 450-759-7711 & 1-800-363-2776
Emergency telephone number/restriction on use	Canada – Handling 450-759-7711 9h – 16h Canada – Transport CANUTEC 24 hour number 613-996-6666

Section 2. Hazard identification

Classification of hazardous product (name of the category or subcategory of the hazard class)

Skin irritation (Category 2)
Eye irritation (Category 2A)
Specific target organ toxicity – Single exposure (Category 3)
Hazardous to the aquatic environment – Chronic (Category 3)

Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)

Warning
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands/nails/face thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear gloves/protective clothing/eye protection/face protection. P302 + P352 IF ON SKIN: Wash with plenty of water. P333 + P313 IF SKIN irritation or rash occurs: Get medical attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P305 + P351 + P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical attention. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a doctor if you feel unwell. P273 Avoid release to the environment. P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other hazards known	None

Section 3. Composition/information on ingredients

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)*
Sodium dodecyl sulphate	151-21-3	15-40
Ethenol, homopolymer	9002-89-5	15-40
C8-16 fatty alcohol glucoside	141464-42-8	1-5
Glycerin	56-81-5	1-5
Alcohol, C12-C18, ethoxylated	68213-23-0	1-5
Saponins	8047-15-2	1-5
5-Chloro-2-(4-chlorophenoxy) phenol	3380-30-1	< 1

* Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) by weight (except for gases/propellants by volume) considered trade secret(s).

Section 4. First-aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Ingestion	IF SWALLOWED: Immediately call a doctor. DO NOT INDUCE VOMITING. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
Skin contact	IF ON SKIN: Wash with plenty of water (15-20 minutes). If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (15-20 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Most important symptoms and effects (acute or delayed)	Causes skin irritation. Causes serious eye irritation.
Indication of immediate medical attention/special treatment	In all cases, call a doctor. Do not forget this document.

Section 5. Fire-fighting measures

Specific hazards of the hazardous product (hazardous combustion products)

Carbon oxides and other irritant/toxic gases and fumes.

Suitable and unsuitable extinguishing media

In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.

Special protective equipment and precautions for fire-fighters

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

Methods and materials for containment and cleaning up

Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Section 7. Handling and storage

Precautions for safe handling

Wear gloves/protective clothing/eye protection/face protection.
Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

Section 8. Exposure controls/Personal protection

Control parameters (biological limit values or exposure limit values and source of those values)

Exposure limits: CAS 56-81-5 ACGIH TLV-TWA 10 mg/m^3;

Appropriate engineering controls

Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Individual protection measures/personal protective equipment

Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

Section 9. Physical and chemical properties

Physical state	Solid/Sheet	**pH**	4-10 (10 % water solution)
Colour	White	**Kinematic viscosity**	Not available
Odour	Characteristic	**Solubility**	Soluble
Melting/freezing point	Not available	**Partition coefficient - n-octanol/water (log)**	Not available
Initial boiling point/ initial/range	Not available	**Vapour pressure**	Not available
Flammability	Not available	**Density/relative density**	Not available
Upper and lower flammability/explosive limits	Not available	**Relative vapour density**	Not available
Flash point	Not available	**Particle characteristics**	Not available
Auto-ignition temperature	Not available	**VOC**	Not available
Decomposition temperature	Not available	**Other**	None known

Section 10. Stability and reactivity
Reactivity
Does not react under the recommended storage and handling conditions prescribed.
Chemical stability
Stable under the recommended storage and handling conditions prescribed.
Possibility of hazardous reactions
None
Conditions to avoid (static discharge, shock or vibration)
None
Incompatible materials
Oxidizing materials; Strong acids; etc.
Hazardous decomposition products
None known
Section 11. Toxicological information
Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)
Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
Symptoms related to the physical, chemical and toxicological characteristics
Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing.
Delayed and immediate effects (chronic effects from short-term and long-term exposure)
Skin Sensitization – No data available; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA Reproductive Toxicity – No data available; Specific Target Organ Toxicity — Single Exposure – Possible; Specific Target Organ Toxicity — Repeated Exposure – No data available; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.
Numerical measures of toxicity (ATE; LD_{50} & LC_{50})
CAS 151-21-3 LD50 Oral - Rat – 1288 mg/kg; CAS 56-81-5 LD50 Oral - Rat – 12600 mg/kg; CAS 68213-23-0 LD50 Oral - Rat – 1700 mg/kg; ATE LD50 ORAL 2500 mg/kg.
Section 12. Ecological information
Ecotoxicity (aquatic and terrestrial information)
No data available.
Persistence and degradability | Readily Bio-degradable (OECD 301B)
Bioaccumulative potential | No data available
Mobility in soil | No data available
Other adverse effects | Harmful to aquatic life with long lasting effects.
Section 13. Disposal considerations
Information on safe handling for disposal/methods of disposal/contaminated packaging
Dispose of contents/container into safe container in accordance with local, regional or national regulations.
Section 14. Transport information
UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations
Not regulated
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)
Not regulated
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)
Not regulated
Special precautions (transport/conveyance) | None
Environmental hazards (IMDG or other) | None
Section 15. Regulatory information
Safety/health Canadian regulations specifics | Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
Environmental Canadian regulations specifics | Refer to Section 3 for ingredient(s) of the DSL
Safety/health/environmental outside regulations specifics
None

Section 16. Other information	
Date of the latest revision of the safety data sheet	May 24, 2024 version 1 (NSS ENTREPRISE INC.)
Corrections	---
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.
Abbreviations	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System

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