

SAFETY DATA SHEET (SDS)

1. Product and Company Identification

Product identifier	Sweeping compound
Other means of identification	Cliff® Cliff Sweeping Compound, Handee Janitor Econo Sweep, Envirosweep
Recommended use	Dust control for concrete, untreated wood and metal floors
Recommended restrictions	Not to be used on finished wood floors.
Manufacturer	Toronto Salt & Chemicals Limited 275 Glidden Rd. Brampton, ON L6W 1H9 Emergency 905-459-9647

2. Hazards Identification

Physical hazards	Not classified.
Health hazards	Eye Irritation: Category 2B
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	WARNING
Hazard statement	H320: Causes eye irritation.
Precautionary statement	
Prevention	P264: Wash hands thoroughly after handling.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage	GHS does not specify storage requirements for 2B.
Disposal	GHS does not specify disposal requirements for 2B.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Not applicable.

3. Composition/Information on Ingredients

Sweeping Compounds	Dolomitic grindings (Calcium Magnesium Carbonate), ground wood, oil (mineral), silicon-crystalline (0.3% - 0.15%),
Composition comments	The criteria for listing components in this section are: Carcinogens, Respiratory Sensitizers, Muagens, Teratogens and Reproductive toxins are listed when present at 0.1% or greater; components which are otherwise hazardous according to WHMIS/OSHA are listed when present at 1.0% or greater. Non hazardous components are not listed. The products pertaining to this SDS have various proportions of components which do not meet the listing criteria. No free silica is present. Silica is bound within the dolomite crystals.

4. First Aid Measures

Inhalation	Product is dust free, however if unconscious, place in a recovery position and seek medical advice.
Skin contact	Rinse skin with water/soap/shower. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water for at least fifteen (15) minutes or until abrasiveness disappears. Get medical attention if irritation develops and persists.
Ingestion	Keep respiratory tract clear, rinse mouth if conscious. Drink plenty of milk (3-4 glasses) and let nature take its course. If ingestion of a large amount does occur, seek medical attention, DO NOT induce vomiting.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.

5. Fire Fighting Measures

Suitable extinguishing media	Water and chemical extinguishers.
Unsuitable extinguishing media	Not applicable.
Specific hazards arising from the chemical	During fire, smoke, gases hazardous to health may be formed i.e. carbon dioxide, carbon monoxide, aldehydes (formaldehyde).
Special protective equipment and precautions for firefighters	Use appropriate firefighting PPE as a general precaution.
Fire-fighting equipment/instructions	Combustible > 200°C and is not a concern for firefighting equipment or methods.
Specific methods	In the event of a fire, equipment and methods that are consistent with the combusting material should be utilized.
General fire hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Carbon dioxide, carbon monoxide, aldehydes (formaldehyde).
Explosion data	
Sensitivity to mechanical impact	Not available.
Sensitivity to static discharge	Not available.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Restrict area to facilitate cleanup.
Methods and materials for containment and clean up	Stop the flow of material, if this is without risk. Prevent direct entry into waterways and sewers. Following product recovery, flush area with water if necessary. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid direct release into waterways and sewers.

7. Handling and Storage

Precautions for safe handling	Use care in handling/storage.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials, food and food preparation surfaces. (see section 10).

8. Exposure Controls/Personal Protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Not available.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Safety glasses if eye contact is possible.
Skin protection	
Hand protection	If there is constant skin contact, rubber gloves are recommended.
Other	Wear suitable protective clothing.
Respiratory protection	No personal respiratory protective equipment normally required.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment.

9. Physical and Chemical Properties

Appearance	Granular.
Physical state	Solid.
Form	Solid.
Colour	Green.
Odour	Pine.
Odour threshold	Not applicable.
pH	Not applicable.
Melting point/freezing point	Not applicable.
Initial boiling point and boiling range	Not applicable.
Pour point	Not applicable.
Specific gravity	1.65
Partition coefficient (n-octanol/water)	Not applicable.
Flash point	>200° C
Evaporation rate	Not applicable.
Flammability (solid, gas)	>200° C
Upper/lower flammability or explosive limits	
Flammability limit - lower %	>200° C
Flammability limit - upper %	Not applicable.
Explosive limit - lower (%)	Not applicable.
Explosive limit - upper (%)	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not applicable.
Solubility(ies)	Not applicable.
Auto-ignition temperature	>400° C
Decomposition temperature	Not applicable.
Viscosity	Not applicable.

10. Stability and Reactivity

Reactivity	Material will react with mineral acids (HCL, HNO ₃ , H ₂ SO ₄ , etc.) releasing carbon dioxide.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions
Conditions to avoid	Contact with incompatible materials, i.e. mineral acids.
Incompatible materials	Not applicable
Hazardous decomposition products	Decomposes into carbon dioxide, carbon monoxide and aldehydes (formaldehyde).

11. Toxicological Information

Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	No adverse effects due to inhalation are expected.
Skin contact.	No adverse effects due to skin contact are expected
Eye contact	Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics
Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity Not classified.

Skin corrosion/irritation	Not available.
Exposure minutes	Not available.
Erythema value	Not available.
Oedema value	Not available.

Serious eye damage/eye irritation
Direct contact with eyes may cause temporary irritation.

Corneal opacity value	Not available.
Iris lesion value	Not available.
Conjunctival reddening value	Not available.
Conjunctival oedema value	Not available.
Recover days	Not available.

Respiratory or skin sensitization

Respiratory sensitization	Not available.
Skin sensitization	This product is not expected to cause skin sensitization.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity SHA.
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity
This product is not expected to cause reproductive or developmental effects.

Teratogenicity
Not classified.

Specific target organ toxicity.
single exposure
Not classified.

Aspiration hazard
Not classified.

Chronic effects Not classified
Not classified.

Further information
This product has no known adverse effect on human health.

Name of Toxicologically Synergistic Products
Not available.

12. Ecological Information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Mobility in general	Not available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers in accordance with applicable regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues /unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some products product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transportation

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

WHMIS status Not Controlled

Inventory status

	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied is made and supplier will not be liable for any losses, injuries or on consequential damages which may result from the use of or reliance information contained in this document.

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Prepared by

Toronto Salt & Chemicals Limited. Phone 905-459-9647

Other information

This Safety Data Sheet was prepared to comply with the current Hazardous Products Act and Hazardous Products Regulation.