

SECTION 1: Identification

Product name : E-5
 Product code : 10134
 Recommended use : INDUSTRIAL CLEANER

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Guardian Chemicals Inc. will not compromise when it comes to the Environment, Health & Safety. This SDS represents the product as supplied in pure concentrated form. Risks may be reduced by use of appropriate engineering, administration and/or personal protective equipment (PPE). Risks and hazards may be reduced when handling the diluted product, but remain as represented on the SDS for the concentrate.

SECTION 2: Hazard identification
Classification

Skin corrosion/irritation, Category 2
 Serious eye damage/eye irritation, Category 2A

Hazard statements

H315 Causes skin irritation
 H319 Causes serious eye irritation

GHS-CA labelling

Hazard pictograms (GHS-CA) :



Signal word (GHS-CA) :

Warning

Precautionary statements (GHS-CA) :

P264 - Wash hands, forearms and face thoroughly after handling
 P280 - Wear eye protection, face protection, protective clothing, protective gloves
 P321 - Specific treatment see first aid instructions. (see first aid on this label)
 P362+P364 - Take off contaminated clothing and wash it before reuse

SECTION 3: Composition/information on ingredients
Mixtures

Name	Chemical name / Synonyms	Product identifier	Concentration (%)*
Sodium dodecylbenzenesulfonate	Benzenesulfonic acid, dodecyl-, sodium salt	(CAS No) 25155-30-0	1-5
Alcohol ethoxylate	Alkyl Polyoxyethylene Glycol Ether	(CAS No) 68131-39-5	1-5
Alcohol ethoxylate	Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-	(CAS No) 34398-01-1	1-5

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

First-aid measures after inhalation : If you feel unwell, seek medical advice.
 First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
 First-aid measures after eye contact : Rinse immediately with plenty of water. Take victim to a doctor/medical service if irritation persists.
 First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.
 First-aid measures general : If you feel unwell, seek medical advice.
 Symptoms/injuries after inhalation : May cause irritation of the respiratory tract.
 Symptoms/injuries after skin contact : Causes skin irritation.
 Symptoms/injuries after eye contact : Causes serious eye irritation.
 Symptoms/injuries after ingestion : May cause irritation of the GI tract.
 Chronic symptoms : May cause dermatitis.
 Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray.
 Unsuitable extinguishing media : No unsuitable extinguishing media known.
 Fire hazard : Not flammable.
 Explosion hazard : Not flammable.
 Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
 Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures : Clean up spills immediately. For small spills, recover free liquid. Soak up residue with solid adsorbent. Larger spills should be flushed to a collection basin for disposal. Clean area well with detergent and water.

Methods and materials for containment and cleaning up

For containment : Collect spillage. Dispose in accordance with the local environmental regulations.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Technical measures : Comply with applicable regulations.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.
Technical measures : Does not require any specific or particular technical measures.
Storage conditions : Protect from sunlight. Keep from freezing. store at room temperature. Keep container closed when not in use.
Incompatible products : Acids, Strong oxidizing agents. Strong bases.

SECTION 8: Exposure controls/personal protection

Control parameters

No additional information available

Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

SECTION 9: Physical and chemical properties

Physical state : Liquid
Appearance : Clear. Slightly viscous.
Colour : Pale yellow
Odour : "No fragrance added" Mild
Odour threshold : No data available
pH : 9 - 10 (Concentrate)
pH solution : 8 - 9 (1:32 Use Dilution)
Relative evaporation rate (butylacetate=1) : No data available
Relative evaporation rate (ether=1) : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available
Flash point : > 94 °C (Tag Closed Cup)
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Non flammable.
Vapour pressure : No data available
Vapour pressure at 50 °C : No data available
Relative density : No data available
Density : 1.04 kg/l
Solubility : Soluble in water.
Water: 100 %
Log Pow : No data available
Explosive limits : No data available

Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.
Conditions to avoid : Extremely high or low temperatures.
Incompatible materials : Refer to Section 7.2.
Hazardous decomposition products : Oxides of carbon.

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SECTION 11: Toxicological information

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Alcohol ethoxylate (68131-39-5)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
ATE CA (oral)	500 mg/kg bodyweight

Sodium dodecylbenzenesulfonate (25155-30-0)	
LD50 oral rat	438 mg/kg (Rat)
ATE CA (oral)	438 mg/kg bodyweight

Alcohol ethoxylate (34398-01-1)	
LD50 oral rat	> 1400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE CA (oral)	500 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.
pH: 9 - 10 (Concentrate)
Serious eye damage/irritation : Causes serious eye irritation.
pH: 9 - 10 (Concentrate)
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified

Sodium dodecylbenzenesulfonate (25155-30-0)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Symptoms/injuries after inhalation : May cause irritation of the respiratory tract.
Symptoms/injuries after skin contact : Causes skin irritation.
Symptoms/injuries after eye contact : Causes serious eye irritation.
Symptoms/injuries after ingestion : May cause irritation of the GI tract.
Chronic symptoms : May cause dermatitis.

SECTION 12: Ecological information

No additional information available.

SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

SECTION 15: Regulatory information

No data available

SECTION 16: Other information

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