



Safety Data Sheet

1. Identification

Product Information. 105224-106595-104957-105218

Product Name: Formula 90

Recommended Use. Professional Carpet Cleaning

Uses advised against. Professional Use Only

Supplier. Legend Brands
Chemspec
15180 Josh Wilson Road
Burlington, WA 98233
E-Mail: sds@legendbrands.com
800-932-3030

Legend Brands
4520 Eastgate Parkway
Mississauga, ON L4W 3W6
800-932-3030

Emergency telephone number. INFOTRAC 1-800-535-5053 (North America)
+1-352-323-3500 (International)

2. Hazards Identification

Classification in accordance with the Workplace Hazardous Materials Information System (WHMIS) 2015 based on the Hazardous Products Regulations (HPR).

Serious Eye Damage, category 1

Skin Corrosion, category 1

GHS Pictograms



Signal Word

Danger

Unknown Acute Toxicity

20.5% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS

Causes severe skin burns and eye damage.

Causes serious eye damage.

Precautionary Statements - Prevention.

Do not breathe dust, fume, gas, mist, vapours, spray.

Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves, protective clothing, eye protection, face protection.

Precautionary Statements - Response.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor or physician.

Wash contaminated clothing before reuse.

Precautionary Statements - Storage.

Store locked up.

Precautionary Statements - Disposal.

Dispose of contents/container to an approved waste disposal plant.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>HMIRA</u>
ALCOHOLS, C6-C12, ETHOXYLATED	68439-45-2	10-30	
Sodium Dodecyl Diphenyl Oxide Disulfonate	119345-04-9	10-30	
TETRASODIUM EDTA	64-02-8	1-5	
ALCOHOLS, C10-16, ETHOXYLATED	68002-97-1	1-5	
cis-3-hexenyl acetate	3681-71-8	0.1-1.0	
3,3-dimethyl-8,9-dinorbornan-2-yl acetate	13851-11-1	0.1-1.0	

4. First-aid Measures

Description of first-aid measures.

General advice.

Call a physician if irritation develops or persists. Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Inhalation.

Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Skin contact.

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Call a physician immediately.

Eye contact.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

Ingestion.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately. Gently wipe or rinse the inside of the mouth with water.

Symptoms.

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

Notes to physician.

Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media.

Suitable extinguishing media.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, fog, Carbon dioxide (CO₂), foam or dry chemical.

Extinguishing media which shall not be used for safety reasons.

High volume water jet.

Special hazards arising from the substance or mixture.

Hazardous decomposition products formed under fire conditions.

Advice for firefighters.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.

Personal precautions.

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

Advice for emergency responders.

Use personal protection recommended in Section 8.

Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up.

Methods for Containment.

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Use personal protective equipment.

Methods for cleaning up.

Use personal protective equipment as required.

Reference to other sections.

See section 8 for more information.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities.

Advice on safe handling.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

Hygiene measures.

See section 7 for more information.

Storage Conditions.

Keep containers tightly closed in a cool, well-ventilated place. Store in original container.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Contains no substances with occupational exposure limit values.				

Contains no substances with occupational exposure limit values.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures.

Ensure adequate ventilation, especially in confined areas. Showers, eyewash stations, and ventilation systems.

Personal protective equipment.

Eye/Face Protection.

Safety glasses with side-shields.

Skin and body protection.

Wear impervious rubber clothing if needed to prevent contact with liquid material. Wear suitable protective clothing.

Respiratory protection.

In case of insufficient ventilation wear suitable respiratory equipment.

9. Physical and chemical properties.

Information on basic physical and chemical properties.

Physical state	Liquid
Appearance	Clear
Color	Blue
Odor	Herbal
Odor Threshold	No Information
pH	12.9
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	>93 (>199.40)
Boiling point/boiling range., °C (°F)	100 - 2,567 (212 - 4652.6)
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm ³)	1.070
Water solubility.	completely soluble
Partition coefficient.	No Information
Autoignition temperature., °C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	No Information

Other information.

Volatile organic compounds (VOC) content.	< 1%
Density, lb/gal	No Information

10. Stability and Reactivity**Reactivity.**

Stable under normal conditions.

Chemical stability.

Stable under recommended storage conditions.

Possibility of hazardous reactions.

None known based on information supplied.

Conditions to Avoid.

Direct sources of heat.

Incompatible Materials.

Aldehydes. Ketones. Sodium hypochlorite. Acids. Alcohols. Oxidizing agents.

Hazardous Decomposition Products.

None known.

11. Toxicological Information

Information on toxicological effects.

Acute toxicity.

Product Information

LD50 Oral
2,215.00 mg/kg

LD50 Dermal
99,999.00 mg/kg

LC50 Inhalation (Vapor)
99,999.00 mg/l

Component Information.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
68439-45-2	ALCOHOLS, C6 -C12, ETHOXYLATED	N.I.	2500	N.I.
119345-04-9	Sodium Dodecyl Diphenyl Oxide Disulfonate	N.I.	2000	N.I.
64-02-8	TETRASODIUM EDTA	1658 mg/kg Rat	N.I.	N.I.
3681-71-8	cis-3-hexenyl acetate	>5000 mg/kg Rat	N.I.	N.I.

N.I. = No Information

Skin corrosion/irritation.

No Information

Eye damage/irritation.

No Information

Respiratory or skin sensitization.

No Information

Ingestion.

No Information

Germ cell mutagenicity.

No Information

Carcinogenicity.

No Information

Reproductive toxicity.

No Information

Specific target organ systemic toxicity (single exposure).

No Information

Specific target organ systemic toxicity (repeated exposure).

No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information

Toxicity.

30.45% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity effects.

<u>Chemical Name</u>	<u>Toxicity to algae</u>	<u>Toxicity to fish</u>	<u>Toxicity to daphnia and other aquatic invertebrates</u>
TETRASODIUM EDTA 64-02-8	-	LC50 96 h Lepomis macrochirus 41 mg/L, LC50 96 h Pimephales promelas 59.8 mg/L	-
cis-3-hexenyl acetate 3681-71-8	-	LC50 96 h Oncorhynchus mykiss 13 mg/L	-

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

Discharge into the environment must be avoided.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>log POW</u>
119345-04-9	Sodium Dodecyl Diphenyl Oxide Disulfonate	<=-2.68
3681-71-8	cis-3-hexenyl acetate	2.7

Mobility in soil.

No information

Other adverse effects.

No information

13. Disposal Considerations**Waste Disposal Guidance.**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information**DOT**

Shipping Name: Not regulated

IMDG

Proper Shipping Name: Not regulated

IATA

Proper Shipping Name: Not regulated

15. Regulatory Information**International Inventories:**

TSCA Complies

DSL Complies

DSL/NDL Complies

EINECS/ELINCS -

ENCS -

IECSC Complies

KECI -

PICCS Complies

AIIIC Complies

NZIoC Complies

TCSI

TSCA United States Toxic Substances Control Act Section 8(b) Inventory.

DSL Canadian Domestic Substances List.

DSL/NDL Canadian Domestic Substances List/Canadian Non-Domestic Substances List

EINECS/ELINCS European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.

ENCS Japan Existing and New Chemical Substances.

IECSC China Inventory of Existing Chemical Substances.

KECL Korean Existing and Evaluated Chemical Substances.

PICCS Philippines Inventory of Chemicals and Chemical Substances.

AIIIC Australian Inventory of Chemical Substances.

NZIoC New Zealand Inventory of Chemicals.

TCSI Taiwan Chemical Substance Inventory

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class E

16. Other Information

Revision Date: 6/30/2023 **Supersedes Date:** 4/18/2023

Reason for revision: Product Composition Changed
 Substance and/or Product Properties Changed in Section(s):
 02 - Hazards Identification
 15 - Regulatory Information
 Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	3	Flammability:	0	Physical Hazard:	0	Personal Protection:	X
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NFPA Ratings:

Health:	3	Flammability:	0	Instability:	0	Physical & Chemical:	-
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

