SAFETY DATA SHEET

DURÁVEL

SECTION 1: PRODUCT IDENTIFICATION

Product Name:	Restore-A-Seal
Synonyms:	
Product Number:	1-gallon 30-RES-1G 5-gallon 30-RES-5G
Company:	Durável
Address:	227 Cromopton St., Charlotte NC 28273
Business Phone:	(704) 837-7991
Emergency Phone:	Chemtrec US (800) 424-9300 CNN 1014580
Date of Current Revision:	November 16, 2023

SECTION 2: HAZARD IDENTIFICATION

Classification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable Liquids, H225	Category 2
Aspiration Hazard, H304	Category 1
Skin corrosion/irritation, H316	Category 2
Serious eye damage/eye irritation, H319	Category 2A
Carcinogenicity, H351	Category 2
Specific target organ toxicity, single exposure (central nervous system), H336	Category 3
Specific target organ toxicity, repeated exposure (kidney, liver)	Category 2

EMERGENCY OVERVIEW: This product is a colorless liquid.

DANGER!

Hazard Statements

H225: Highly Flammable liquid and vapor.
H304: May be fatal if swallowed and enters airways.
H312 + H332: Harmful in contact with skin or inhaled.
H315: Causes skin irritation.
H319: Causes eye irritation.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer.
H373: May cause damage to organs through prolonged or repeated exposures.

Appearance: Colorless Liquid **Physical State**: Liquid **Odor**: Aromatic, Solvent-Like

Precautionary Statements - General

P102: Keep out of reach of children.
P103: Read carefully and follow all instructions.

Precautionary Statements – Prevention

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat/sparks/open flames/hot surfaces. -- No smoking.
P233: Keep container tightly closed.
P240: Ground / bond container and receiving equipment.
P241: Use explosion-proof electrical, ventilating, and lighting equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P260: Do not breathe dust/fume/gas/mist/vapors/ spray.
P264: Wash skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements – Response

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P313: IF exposed or concerned: Get medical advice/ attention.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P331: Do NOT induce vomiting.
P332 + P313: If skin irritation occurs: Get medical advice/ attention.
P337 + P313: If eye irritation persists: Get medical advice/ attention.
P362: Take off contaminated clothing and wash before reuse.
P370 + P378: In case of fire: Use dry sand, water fog, foam, dry chemical, or carbon dioxide (CO2) to extinguish.
P391: Collect spillage.

Precautionary Statements - Storage

P403 + P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

Precautionary Statements – Disposal

P501: Dispose of contents/container in accordance with local regulations.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Substance

This material is regulated as a mixture.

Chemical Name	CAS No.	Weight - %	Trade Secret
Solvent Naptha (petroleum), light aromatic	64742-95-6	40-60%	*
Cumene	98-82-8	5-10%	*
Psuedocumene (1,2,4-Trimethylbenzene)	95.63-6	5-10%	*
Naptha (petroleum), heavy alkylate	64741-65-7	5-10%	*
Methyl ethyl ketone	78-93-3	30-50%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: FIRST-AID MEASURES

Description of First Aid Measures

Eye Contact

IF IN EYES: Immediately flush eyes with plenty of water for 10 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. If irritation occurs, get medical assistance.

Skin Contact

IF ON SKIN (or hair): Wash contact areas with plenty of soap and water. Remove contaminated clothing and shoes. Launder contaminated clothing before reuse. Get medical attention.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.

Ingestion

IF SWALLOWED: Seek immediate medical attention. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Note to Physicians	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Alcohol-foam, CO2, Dry chemical, water spray or fog.

Unsuitable extinguishing media	Do not use water jet.

Specific hazards arising from the chemical

Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

Hazardous combustion products	Incomplete combustion products, Smoke, Fume, Oxides of carbon.

Protective equipment and precautions for firefighters

Evacuate area. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel. Move containers from fire area if this can be done without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Extinguish all flames in the vicinity. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Local authorities should be advised if significant spills cannot be contained. Ventilate closed spaces before entering. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the SDS for Personal Protective Equipment.

Methods and material for containment and cleaning up

Large Spills	Stop the flow of material, if this is without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material such as sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Small Spills Stop the flow of material, if this is without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Disposal according to local regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice for safe handling Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep out of the reach of children and animals. Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials, food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. The pressure in sealed containers can increase under the influence of heat. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROLS – PERSONAL PROTECTION

Control parameters

Exposure guidelines

Component	Value / Source			
Cumene	TWA	245 mg/m3	50 ppm	OSHA Z1
Cumene	TWA	No data available	50 ppm	ACGIH
Pseudocumene (1,2,4-Trimethylbenzene)	TWA	No data available	25 ppm	ACGIH
Methyl ethyl ketone	TLV	No data available	200 ppm	ACHIH
Methyl ethyl ketone	STEL	No data available	300 ppm	ACHIH
Solvent Naptha (petroleum), light aromatic	TWA	100 mg/m3	19 ppm	ExxonMobil
Naptha (petroleum), heavy alkylate	TWA	2000 mg/m3	500 ppm	OSHA Z1
Naptha (petroleum), heavy alkylate	TWA	2000 mg/m3	400 ppm	OSHA PO

Appropriate engineering controls

Engineering controls Air contaminant levels should be controlled below the PEL, TWA, STEL or TLV for this product (see Exposure Guidelines).

Occupational exposure controls The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures should provide adequate ventilation so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

Individual protection measures, such as personal protective equipment

Eye and face protection Safety glasses with side shields or full face shield should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, or gases.

Skin and body protection Chemical-resistant, nitrile gloves standard should be worn at all times. Appropriate footwear and any additional skin protection measures such as long-sleeved clothing to minimize skin contact.

Respiratory protection Wear suitable NIOSH approved respirator when ventilation is not adequate.

General Hygiene Considerations	Wash hands and exposed skin thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Contaminated clothing should be removed promptly. Wash contaminated clothing before reusing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	**Odor**	Aromatic,k solvent-like
Appearance	Transparent Liquid	**Odor Threshold**	No data available
Color	Transparent Liquid		

Property	**Values**	**Remarks/Method**
pH	Not Available	
Melting point/freezing point	-87° C (-124.6° F)	
Boiling point/Boiling range	80° C (176° F)	
Flash point	- 7° C (19.4° F)	CC (closed cup)
Evaporation rate	Not Available	
Flammability (solid, gas)	Not Available	
Flammability Limit in Air		
Upper flammability limit:	Not Available	
Lower flammability limit:	Not Available	
Explosive limit, lower:	1.4%	
Explosive limit, upper:	11.4%	
Vapor pressure	Not Available	
Vapor density	Not Available	
Relative density	Not Available	
Water solubility	Very slightly soluble	
Solubility in other solvents	Not Available	
Partition coefficient	Not Available	
Autoignition temperature	Not Available	
Decomposition temperature	Not Available	
Kinematic viscosity	Not Available	
Dynamic viscosity	Not Available	
Explosive properties	Not Available	
Oxidizing properties	Not Available	

Other Information

Softening point	Not Relevant
Molecular weight	Not Available
VOC Content (%)	Not Applicable
Density	Not Available
Bulk Density	Not Available

SECTION 10: STABILITY AND REACTIVITY

Reactivity
Not Available

Chemical stability
The product is stable.

Possibility of Hazardous Reactions
Hazardous reactions will not occur under normal conditions.

Conditions to avoid
Heat, flames and sparks. Ignition sources. Contact with incompatible materials. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

Incompatible materials
Oxidizing materials.

Hazardous Decomposition Products
Hazardous decomposition products should not be produced under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum naptha, light aromatic	8400 mg/kg (Rat)	>2000 mg/kg (Rabbit)	>5.2 mg/L, 3400 ppm (Rat) 4h
1,2,4-Trimethylbenzene	5000 mg/kg (Rat)	No data available	18 mg/L (Rat) 4h
Methyl ethyl ketone	2483 mg/kg (Rat)	5000 mg/kg (Rabbit)	11700 ppm (Rat) 4h
Naptha (petroleum), heavy alkylate	>2000 mg/kg (Rat)	>2000 mg/kg	No data available
Cumene	1400 mg/kg (Rat)	>3160 mg/kg (Rabbit)	39 mg/L (Rat) 4h

Potential acute health effects

Inhalation No known significant effects or critical hazards.
Eye Contact Causes serious eye irritation, including itching, burning, redness, and tearing
Ingestion May be fatal if swallowed and enters airways.
Skin Contact No specific data.

Potantial chronic health effects

General May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Petroleum naptha, light aromatic	3.1 mg/L 72h Pseudokirchneriella subcapitata	9.22 mg/L LC50 96h Oncorhynchus mykiss	6.14 mg/L EC50 48h Daphnia magna
1,2,4-Trimethylbenzene	No data available	7.72 mg/L LC50 96h (flow-through) Pimephales promelas	3.6 mg/L EC50 48h Daphnia magna
Methyl ethyl ketone	1.972 mg/L 72h Pseudokirchneriella subcapitata	3.22 mg/L LC50 96h Lepomis macrochirus	308 mg/L EC50 48h Daphnia magna 0.6 mg/L EC50 48h Lacustris
Cumene	2.6 mg/L 72h Pseudokirchneriella subcapitata - Microorganisms EC50 0.89 mg/L 5min 1.1 mg/L 15min 1.48 mg/L 30min 17=72 mg/L 24h	6.04-6.61 mg/L LC50 96h (flow-through) Pimephales promelas 4.8 mg/L LC50 96h (flow-through) Oncorhynchus mykiss 2.7 mg/L LC50 96h (semi-static) Oncorhynchus mykiss 5.1 mg/L LC50 96h (semi-static) Poecilia reticulata	7.9-14.1 mg/L EC50 48h Daphnia magna
Naptha (petroleum), heavy alkylate	3.1 mg/L 72h Pseudokirchneriella subcapitata	10 mg/L LC50 96h Oncorhynchus mykiss	4.5 mg/L EC50 48h Daphnia magna

Persistence and degradability

No data available

Bioaccumulation

No data available

Mobility

Chemical Name	Partition coefficient (log POW)
Petroleum naptha, light aromatic	3.42
1,2,4-Trimethylbenzene	3.63
Methyl ethyl ketone	0.29
Cumene	3.55

Other adverse effects
No known significant effects or critical hazards

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods

This material and its container must be disposed of as hazardous waste. Dispose in accordance with all local regulations and requirements. Do not allow this material to spill and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORTATION INFORMATION

DOT

UN/ID no.	1268
Proper Shipping Name	Petroleum Distillates, N.O.S.
Hazard Class	3
Packing Group	II

IATA

UN/ID no.	1268
Proper Shipping Name	Petroleum Distillates, N.O.S.
Hazard Class	3
Packing Group	II

IMDG

UN/ID no.	1268
Proper Shipping Name	Petroleum Distillates, N.O.S.l
Hazard Class	3
Packing Group	II

SECTION 15: REGULATORY INFORMATION

US Federal Regulations
This product is hazardous according to OSHA 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):

Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

Cumene (CAS 98-82-8) Cancer, Central nervous system, Blood, Aspiration, Skin, Eye, Respiratory tract irritation, Flammability

CERCLA Hazardous Substance List (40 CFR 302.4):

Cumene (CAS 98-82-8) listed

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard Categories

Immediate hazard – yes
Delayed hazard – yes
Fire hazard – yes
Pressure hazard – no
Reactivity hazard – no

SARA 302 Extremely hazardous substance:

Not listed

SARA 311/312 Hazardous chemical:

No

SARA 313 (TRI reporting):

Cumene (CAS 98-82-8)
Pseudocumene (1,2,4-Trimethylbenzene) (CAS 95-63-6)

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:

Cumene (CAS 98-82-8)

Clean Water Act (CWA) Section 112(r) (40 CFR68.130):

Hazardous substance, Priority and Toxic pollutant

Safe Drinking Water Act (SDWA):

0 mg/L, 0.005 mg/L

US STATE REGULATIONS

US. Massachusetts RTK - Substance List:

Cumene (CAS 98-82-8)
Pseudocumene (1,2,4-Trimethylbenzene) (CAS 95-63-6)

US. New Jersey Worker and Community Right-to-Know Act:

Cumene (CAS 98-82-8)
Pseudocumene (1,2,4-Trimethylbenzene) (CAS 95-63-6)

US. Pennsylvania Worker and Community Right-to-Know Law:

Cumene (CAS 98-82-8)
Pseudocumene (1,2,4-Trimethylbenzene) (CAS 95-63-6)

US. Rhode Island RTK:

Cumene (CAS 98-82-8)
Pseudocumene (1,2,4-Trimethylbenzene) (CAS 95-63-6)

US. California Proposition 65: Carcinogens & Reproductive Toxicity (CRT): Listed substance

Cumene (CAS 98-82-8)

SECTION 16: OTHER INFORMATION

NFPA Flammable Liquid Class IB – Flash Point below 73° F (23° C) and Boiling Point at or above 100° F (38° C)

Issue Date	August 3, 2020
Revision Date	November 16, 2023
Revision Note	

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text. Durável assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Durável assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety precautions are followed.

END OF SAFETY DATA SHEET