

Page 1 of 5 SDS-E-RBR100L

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 3.0 SDS Revision Date: 4/7/2018

		1	PRODUC	T & COM	ΡΔΝΥ	IDFI	NTIF	FIC A	TIO	N					
1.1	Product Name:		N™ RBR								(P/N	l RB	R10	0L)	
1.2	Chemical Name:	NA		,	,					/,	\-			- - ,	
1.3	Synonyms:	CaiKleen™ RBR: P/N RBR100L													
1.4	Trade Names:	CaiKleen™ RBR PART NOs:													
		Part No. RBR	100PS-6 (150 i 100L-2 (59 mL	mL);	irt No. RE irt No. RE									iC (25 r 2 (944 m	
1.5	Product Uses & Restrictions:		er and Rejuver	,					7,					(·-/
1.6	Distributor's Name:	CAIG Laborat	· · · · · ·												
1.7	Distributor's Address:		er Court, Powa	v. CA 92064-6	876 USA										
1.8	Emergency Phone:		C: +1 (703)	* -		1 424	-930	o (CC	:N20	5206)				
1.9	Business Phone / Fax:	+1 (800) 224-		<u></u>	(555	,		- (<u></u>	<u>, </u>				
		111 (000) 221	1120												
			2 H/	ZARDSI	DENT	IFIC	ΔΤΙ	NC							
2.1	Hazard Identification:	This product	is classified a						T ac	DANG	EDOI	IS GC	ODS	accordi	na to the
2.1	riazaid identilication.	classification (criteria of NOH CAUSES EYE	SC: 1088 (2004 I RRITATION . 1	1) and AD	G Cod	le (Au	stralia)					ЮВ3	accordi	ng to the
2.2	Label Elements:		Eye Irrit 2; Ski		on allered	a akin	rocoti	on LIC	220 (201100	0.01/0	rritatia			
	East Elements.		Statements (
			80 – Wear prot												^
			If skin irritation												
			se cautiously v												,
			Continue rinsin												• /
			aminated clothi												/
			e/attention. P	001 - Dispose o	of content	s/conta	ainer t	o licen	ises tr	eatme	nt, sto	rage a	nd		
2.3	Other Warnings:	disposal facilit	F REACH OF	CUII DDEN											
2.0	Other Warnings.	KEEP OUT C	F REACH OF	CHILDREN											
		2 00	MDOCIT		DEDI	CNIT	INIE		T	101	1				
		<u> 3. CC</u>	MPOSIT	ON & INC	KEDI		IINF	UKI							
						100	2111				LIMITS I	N AIR (m		1	
						AC(NOHS(,		OSHA ppm			
						pp	'(1)	ES-	ES-	ES-		ppin		_	
CHEM	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	(OTHER
MINE	RAL OIL	64742-30-9	PY8030000	235-183-3	60-100	5	10	NF	NF	NF	5	3	NA	MIST	
		68440-29-9	lna .	270-448-1	10-30	NA	NA	NF	NF	NF	NA	NA	NA		
CHLO	RINATED FATTY ESTER	00440 23 3	1147.	270 440 1	10 00	14/1	14/1	1 141	1141	1 141	14/1	14/1	14/1	I.	
		5989-27-5	GW6360000	227-813-5	1-5	NA	NA	NF	NF	NF	NA	NA	NA	ALLER	GEN
LIMOI	NENE		•	•											
			4.	FIRST All	D MEA	SUF	RES								
4.1	First Aid:	Ingestion:	If ingested, d	o not induce	vomiting.	If pr	oduct	has I	been	swallo	wed,	drink p	lenty	of wate	er or milk
	Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide estimate of the time at which the material was ingested and the amount of the substance that swallowed.					milk to an Provide an									
		Eyes:	Splashes are water for at lea								with	copious	s amou	unts of	lukewarm
		Skin:	Wash thorough least 15 minute	nly with soap a	nd water.	In cas	se of c	ontact	, imme	ediatel			·	•	
		Inhalation:	Remove victimartificial respira									If brea	thing s	tops giv	ve
4.2	Effects of Exposure:	Ingestion: Eyes:	If product is sw Moderately irri watering.								nclude	rednes	ss, itch	ing, irri	tation and
		Skin:	May be irritatir some sensitive	individuals.	product	can ca	ause a	llergic	skin r	eactio	ns (e.	g., rash	nes, we	elts, der	matitis) in
1	I	Inhalation:	Nana avnasta												
		IIIIIaiaiiUII.	None expected	1.											



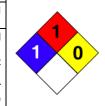
8.1 Exposure Limits:

SAFETY DATA SHEET

Page 2 of 5 SDS-E-RBR100L

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 4/7/2018 4. FIRST AID MEASURES - cont'd 4.3 Symptoms of Overexposure: Nausea, intestinal discomfort, vomiting and/or diarrhea. Ingestion: Overexposure in eyes may cause redness, itching and watering. Eyes: Skin: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Frostbite like symptoms. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some 4.4 Acute Health Effects: Non-irritating when used as directed. Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. 4.5 Chronic Health Effects: Non-irritating when used as directed. Overexposure may trigger asthma-like symptoms in some sensitive individuals. May also induce skin sensitization and respiratory hypersensitivity. Possible allergic dermatitis. 4.6 Target Organs: Eyes, Skin. 4.7 Medical Conditions **HEALTH** Pre-existing dermatitis, other skin conditions, and disorders of the Aggravated by Exposure: target organs (eyes, skin, and respiratory system). FLAMMABILITY 1 PHYSICAL HAZARDS 0 В

PHYSICAL HAZARDS PROTECTIVE EQUIPMENT EYES SKIN 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO,CO_x). 5.2 Extinguishing Methods: Water, Foam, CO₂, Dry Chemical, Halon (if permitted). Use water spray to cool unopened



OTHER

5.2 Extinguishing Methods:

Water, Foam, CO₂, Dry Chemical, Halon (if permitted). Use water spray to cool unopened containers.

Fight fires as for surrounding materials. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil-over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

6. ACCIDENTAL RELEASE MEASURES

Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large spills.

Small Spills: Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible material such as vermiculite or sand to soak up the product and place into a container for later disposal. Do not use water or a material such as "speedy dry" to soak up material. Sweep up material using non-sparking materials (e.g., plastic brooms, shovels, dustpans) and place into a plastic container or plastic liner within another container.

Large Spills: Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant.

7. HANDLING & STORAGE INFORMATION

7.1 Work & Hygiene Practices:

Do not eat, drink or smoke when handling this product. Contents under pressure. Handle as to avoid puncturing container(s). When used as intended, no additional protective equipment is necessary. Use chemical goggles if eye contact is possible. Wash unintentional residues with soap and warm water.

7.2 Storage & Handling:

Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. To avoid unintentional spraying keep cap in place when not in use.

7.3 Special Precautions:

Clean all spills promptly. Spilled material may present a slipping hazard.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

NOHSC

ACGIH

	ppm (mg/m³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
		MINERAL OIL	5	10	NF	NF	NF	5	3	NA	MIST
		LIMONENE	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
8.2	Ventilation & Engineering Controls:	General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station).									
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. In instances where dusts of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.									



Page 3 of 5 SDS-E-RBR100L

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 3.0

SDS Revision Date: 4/7/2018

	8 1	EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd						
8.4	Eye Protection:	Avoid eye contact. Wear splash proof goggles or equivalent eye protection (ANSI Z87). Safety glasses need to be used when handling or using this product.						
8.5	Hand Protection:	Impermeable gloves required. May cause skin irritation in some sensitive individuals. When handling wear rubber, nitrile or impervious plastic gloves.						
8.6	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., ≥ 5 lbs), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.						
		9. PHYSICAL & CHEMICAL PROPERTIES						
9.1	Appearance:	Amber liquid						
9.2	Odor:	Citrus odor						
9.3	Odor Threshold:	NA						
9.4	pH:	NA						
9.5	Melting Point/Freezing Point:	NA						
9.6	Initial Boiling Point/Boiling Range:	NA NA						
9.7	Flashpoint:	>93.3 °C (200 °F)						
9.8	Upper/Lower Flammability Limits:	NA NA						
9.9	Vapor Pressure:	0.01 mm Hg @ 20 °C						
9.10	Vapor Density:	NA						
9.11	Relative Density:	0.913						
9.12	Solubility:	Negligible						
9.13	Partition Coefficient (log Pow):	NA NA						
9.14	Autoignition Temperature:	NA NA						
9.15	Decomposition Temperature:	NA NA						
9.16	Viscosity:	NA NA						
9.17	Other Information:	NVC 60-70%						
		10. STABILITY & REACTIVITY						
10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.						
10.2	Hazardous Decomposition	Oxides of carbon (CO, CO ₂).						
10.3	Products: Hazardous Polymerization:	Will not occur.						
10.4	Conditions to Avoid:	Open flames, sparks, high heat, incompatible substances and direct sunlight.						
10.5	Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers.						
		11. TOXICOLOGICAL INFORMATION						
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: YES						
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product: Mineral Oil: LD50 (oral, rat) > 5,000 mg/kg						
11.3	Acute Toxicity:	Moderate irritation to eyes and skin near affected areas.						
11.4	Chronic Toxicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).						
11.5	Suspected Carcinogen:	IARC 3 (not classifiable as to carcinogenicity in humans (for mineral oils, highly refined))						
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.						
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.						
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.						
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.						
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.						
11.7	Irritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.						
11.8	Biological Exposure Indices:	NE						
11.9	Physician Recommendations:	Treat symptomatically.						
		12. ECOLOGICAL INFORMATION						
12.1	Environmental Stability:	There is no specific data available for this product.						
12.2	Effects on Plants & Animals:	There are no specific data available for this product.						
12.3	Effects on Aquatic Life:	There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.						



Page 4 of 5 SDS-E-RBR100L

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 4/7/2018 SDS Revision: 3.1 13. DISPOSAL CONSIDERATIONS Waste Disposal: Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste 13.1 according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of in accordance with federal, state and local regulations. 13.2 Special Considerations: The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state, federal and provincial regulations. 14. TRANSPORTATION INFORMATION The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. 49 CFR (GND): **NOT REGULATED** IATA (AIR): 14 2 **NOT REGULATED** IMDG (OCN): 14 3 **NOT REGULATED** TDGR (Canadian GND): 14.4 **NOT REGULATED** 14.5 ADR/RID (EU): **NOT REGULATED** 14.6 SCT (MEXICO): NOT REGULATED 14 7 ADGR (AUS): NOT REGULATED 15. REGULATORY INFORMATION SARA Reporting 15.1 This product does not contain any substances subject to SARA Title III, section 313 reporting requirements. Requirements 15.2 SARA Threshold Planning There are no specific Threshold Planning Quantities for the components of this product. Quantity: 15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory CERCLA Reportable Quantity 15.4 NA (RQ): 15.5 Other Federal Requirements: NA 15.6 Other Canadian Regulations: This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. Mineral Oil is found on the following state criteria lists: NJ, PA. 15.7 State Regulatory Information: No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI) 15.8 Other Requirements: This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings 16. OTHER INFORMATION WARNING! CAUSES EYE IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. Use only as directed. Other Information: 16.1 Keep out of reach of children. Avoid contact with skin. Avoid contact with eyes. Wear suitable protective clothing. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). If skin irritation occurs: get medical advice/attention. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN. 16.2 Terms & Definitions: See last page of this Safety Data Sheet. 16.3 Disclaimer This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & CAIG Laboratories, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition. CAIG Laboratories, Inc. Prepared for: 12200 Thatcher Court Poway, CA 92064-6876 Tel: +1 (800) CAIG-123 (244-4123) Fax: +1 (858) 486-8398 fax http://www.caig.com/ 16.5 Prepared by: ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700

http://www.shipmate.com



Page 5 of 5 SDS-E-RBR100L

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision: 3.1

SDS Revision Date: 4/7/2018

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists			
IDLH	DLH Immediately Dangerous to Life and Health			
NOHSC	National Occupational Health and Safety Commission (Australia)			
OSHA	U.S. Occupational Safety and Health Administration			
PEL	Permissible Exposure Limit			
STEL	Short Term Exposure Limit			
TLV	Threshold Limit Value			
TWA	Time Weighted Average			

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has
	stopped receives manual chest compressions and breathing to circulate blood
	and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

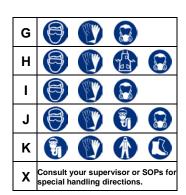
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard		
1	1 Slight Hazard		
2	Moderate Hazard		
3	3 Severe Hazard		
4	Extreme Hazard		



PERSONAL PROTECTION RATINGS:

Α			
В			
С		THE STATE OF THE S	
D		THE THE	
Е			
F		THE THE	





OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic	
Irrit	Irritant	
NA	Not Available	
NR	No Results	
ND	Not Determined	
NE	Not Established	
NF	Not Found	
SCBA	Self-Contained Breathing Apparatus	
Sens	Sensitization	
STOT RE	Specific Target Organ Toxicity – Repeat Exposure	
STOT SE	Specific Target Organ Toxicity – Single Exposure	

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:				
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition			
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source			
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source			

HAZARD RATINGS:

0	Minimal Hazard	FLAMMABILITY
1	Slight Hazard	\
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	/ Y ₩ Y
₩	Use No Water	HEALTH
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TDio	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD _{io} , LD _{io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TCo, LCio, & LCo	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TLm	Median threshold limit
log Kow or log Koc	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System				
DOT	U.S. Department of Transportation				
TC	Transport Canada				
EPA	U.S. Environmental Protection Agency				
DSL	Canadian Domestic Substance List				
NDSL	Canadian Non-Domestic Substance List				
PSL	Canadian Priority Substances List				
TSCA	U.S. Toxic Substance Control Act				
EU	European Union (European Union Directive 67/548/EEC)				
WGK	Wassergefährdungsklassen (German Water Hazard Class)				

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	*	(2)		\odot	(4)		
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

CLP/GHS (1272/2008/EC) PICTOGRAMS:

			\Diamond			\Diamond		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment