

MYSTIC MOMENTS

Certificate of Analysis

Product Name: **RASPBERRY LIQUID FRUIT EXTRACT**
Batch No: **4579711**
Best Before End: **May 2027**

Quality Control Results

Analytical Test		Specification Limit		Value	Unit	Status
Method No.	Characteristic	Lower	Upper			
	Addendum 00	PASS OR FAIL		Pass	-	P
	REVISION NUMBER	1.0		Pass	-	P
AC018000	APPEARANCE FORM	LIQUID		Pass	-	P
AC018000	APPEARANCE CLARITY	CLEAR		Pass	-	P
AC018000	APPEARANCE COLOUR	PALE PINK TO PALE BROWN		Pass	-	P
AC018000	ODOUR	CHARACTERISTIC		Pass	-	P
FC0064A0	pH VALUE (20°C)	3.5	5.5	4.7		P
FC0031A0	SPECIFIC GRAVITY (20°C)	1.150	1.180	1.164		P
FC0032A0	REFRACTIVE INDEX (20°C)	1.405	1.435	1.417		P
EC003000	WATER CONTENT KARL FISCHER	37.0	41.0	39.0	%	P
JC0054B0	TOTAL GERMS	100 MAX CFU/G		Pass	-	P
JC0054B0	MOULDS/YEASTS	10 MAX CFU/G		Pass	-	P

Long term storage between 15 - 25° C, dark in closed containers
The performed analysis are guaranteed on original packaging
When stored accordingly, stable for 24 months

Batch Status: Pass

The quality tests on this batch are reported above. The tests carried out are those necessary to demonstrate compliance with our product specification and are not intended to guarantee the product as suitable for any application beyond those contained in the specification. We recommend you perform your own quality and or identification checks on receipt

Product Information File – cosmetic ingredient

Product Name: Fruitliquid Raspberry SB

PCPC INCI Name: Glycerin, Water, Rubus Idaeus (Raspberry) Fruit
Extract Glycerin, Aqua, Rubus Idaeus Fruit Extract

EU INCI Name:

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I.CRODAROM CERTIFICATIONS AND COMMITMENTS

Certifications

Environmental management systems	ISO 14001:2015
Quality management systems	ISO 9001:2015
Occupational health and safety management systems	ISO 45001:2018
Good Manufacturing Practices	EFfCI (2012)
Authorised Economic Operator (AEO)	Yes
Halal certified by HCS (Halal Certifying Services)	Yes
COSMOS	Certified and Approved products (See certificates)

Commitments



Within the framework of its Corporate Social Responsibility (CSR), Our supplier implements corporate governance that applies to its organization and to its purchasing and supply chains (

Through its "Smart science to improve lives" strategy, the group commits to being People Land and Climate Positive for 2030.

Our Supplier is is naturally engaged in the implementation of such principles that reflect the corporate culture and values.

Proudly certified ISO14001, ISO 45001, ISO9001 and EFfCI for several years now, Crodarom has also signed the Responsible Care Global Charter in 2018.

Crodarom has initiated a continuous improvement process for its practices, the coherence of which is governed by standard ISO26000 we are committed to minimize social and environmental impacts on our stakeholders without compromising innovation and quality.

This strategy is also aligned with United Nation Sustainable Development Goals.



Our supplier has established a code of conduct which includes all its commitments. It aimed to formalize and share our ethical, social and environmental commitments and to unite all our partners around such values. "Code of conduct for responsible relationships and purchasing" is available on our website.

In 2019, this strategy is named Be ACTIVEly Committed and based its commitments on 3 pillars: PEOPLE, PLANET and BUSINESS.

Be ACTIVEly Committed TO BUSINESS

- Business loyalty:
undertakes to respect all French and international regulations in the countries where it is established. Particularly with the NAGOYA protocol.
The company seeks to establish win-win collaboration based on fair practices and favorize social responsibility across the entire value chain.
- Questions to consumers:
assesses / certifies its practices with different standards such as COSMOS, ERI 360, ISO 16128, Halal, ...

Be ACTIVEly Committed TO PEOPLE

- Human rights:
pays particular attention on human rights and know-how respect in its organization (prohibit all discrimination, promote gender equality...).
- Relation and health at work:
ensures management of health, safety and well-being at work (ISO45001) and promote a strong culture related to safety.
- Community & local development:
encourages local development through the sourcing of its raw materials, its collaborations (university, organism) but also by promoting education (interns and apprentices, visiting students on the factory, etc.).

Be ACTIVEly Committed TO THE PLANET

- Environment:
ensures environmental management (ISO14001). The company aims to reduce its consumption of water, wastes and energy in particular by promoting green technologies (Eco-sound, Microwaves, etc.).
The group is also engaged in a decarbonization project to reduce its carbon footprint. In addition, achieves carbon offsetting through an environmental project (Climate Care, Rimba Raya project).
implement sustainable sourcing strategy.

II. PRODUCT INFORMATION

Composition

<u>Ingredient PCPC</u> <u>INCI Name</u>	<u>CAS</u>	<u>EINECS</u>	<u>Function</u>	<u>Origin*</u>	<u>Free of GMO</u> (Yes / No)	<u>Concentration (%)</u> <i>based on theoretical composition</i>
Glycerin	56-81-5	200-289-5	Solvent	V	Yes	58 – 62 %
Water	7732-18-5	231-791-2	Solvent	N	N/A	32 – 35 %
Rubus Idaeus (Raspberry) Fruit Extract	84929-76-0	284-554-0	Plant	V	Yes	4 – 6 % **
Sodium Benzoate	532-32-1	208-534-8	Preservative	S	N/A	Approx. 0.6 %
Citric Acid	5949-29-1	611-842-9	Co-additive	V + B	Yes	Approx. 0.2 %
Maltodextrin	9050-36-6	232-940-4	Co-additive	V	Yes	Approx. 0.7 %

* V: vegetable; S: synthetic; B: biotechnological; N: natural

** Rubus Idaeus (Raspberry) Fruit Extract is expressed as **fresh** fruits

The value of the water content in the final selling specification (SAP specification) per batch will be slightly higher due to the water entry by the plant material. The definition of “water content” in selling spec is the total water composed of process and plant water. The “water content” in the PIF is the process water only.

Microbiological Data

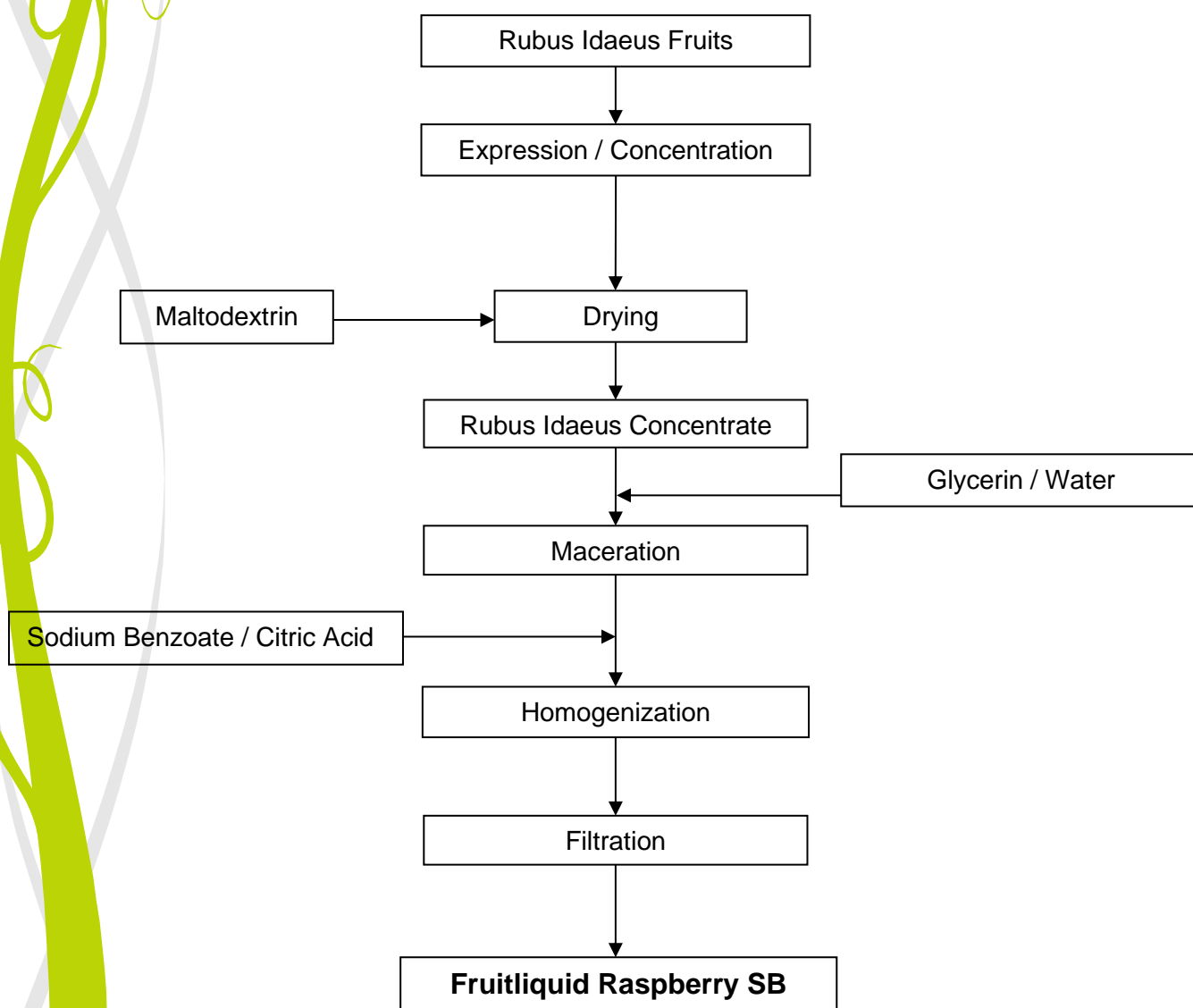
<u>Bacteria:</u>	< 100 cfu / g
<u>Moulds and yeasts:</u>	< 10 cfu / g
<u>Pathogenic Micro-organisms:</u>	Not tested

Product Certifications

Fruitliquid Raspberry SB Art. N°NA22708 is Halal certified by HCS (Halal Certifying Services).

Cosmetic application:

Fruity cosmetic lines
Sensitive skin care
Refreshing and moisturising face
tonics
Shower gels and other bath
formulations
Soft and sweet shampoos
Baby care

Manufacturing Process – Flow Chart

Impurities and traces below mentioned are considered technically unavoidable within the meaning of the European Cosmetic Regulation EC 1223/2009 according to information from our suppliers.

Heavy metals:

Total heavy metals expressed as Pb < 10 ppm according to Ph. Eur. 2.4.8 method C or USP <231> method II. Conclusion by analogy.

Pesticides:

Pesticides are expected to pass DFG S 19. Conclusion by analogy

Residual solvents:

Not expected

Other impurities:

*These substances are not used as raw material and are not intentionally added to the product. Based on the manufacturing process, the above-mentioned substances are not expected to be present. However, these substances are not a part of our routine analytical procedures and quality control system; therefore, they are not measured on a regular basis.

- Ethylene/Diethylene Glycol:	Diethylene Glycol: Glycerin used to produce Fruitliquid Raspberry SB is compliant with the USP monograph (DEG: < 0.10%).
- Methanol:	Maximum expected 6 ppm (not tested – conclusion by analogy). <i>Impurity from Glycerin.</i>
- Formaldehyde:	Not added – not expected – not tested*
- Nitrosamines:	Not added – not expected – not tested*
- Nonylphenol, alkylphenol, phenol, nonoxynol components:	Not added – not expected – not tested*
- Dioxanes:	Not added – not expected – not tested*
- Phthalates:	Not added – not expected – not tested*

Substance

CAS N°

Dibutyl phthalate (DBP)	84-74-2
Diethylhexyl phthalate (DEHP)	117-81-7
Benzyl butyl phthalate (BBP)	85-68-7
Di-n-pentyl phthalate (DnPP)	131-18-0
bis(2-Methoxyethyl) phthalate (DMEP)	117-82-8
Diisopentylphthalate (DiPP)	605-50-5
n-pentyl isopentyl phthalate (DPP)	84777-06-0
Diisobutyl phthalate (DiBP)	84-69-5

- Glycol ethers: Not added – not expected – not tested*

Substance

CAS N°

2-methoxyethanol / ethylene glycol monomethyl ether (EGME)	109-86-4
2-methoxyethyl acetate / methylglycol acetate (EGMEA)	110-49-6
2-ethoxyethanol (EGEE)	110-80-5
2-ethoxyethyl acetate (EGEEA)	111-15-9
1,2-dimethoxyethane / ethylene glycol dimethyl ether (EGDME)	110-71-4
Oxybis(2-methoxyethyl) / dimethoxydiglycol (DEGDME)	111-96-6
1,2-bis(2-methoxyethoxy)ethane / triethylene glycol dimethyl ether (TEGDME)	112-49-2
2-butoxyethanol (EGBE)	111-76-2
2-(2-butoxyethoxy)ethanol (DEGBE)	112-34-5
2-(2-ethoxyethoxy)ethanol (DEGEE)	111-90-0



Hazardous & CMR Substances:

We herewith confirm that, with reference to the confirmation of our raw materials suppliers, we do not add any CMR (Carcinogenic, Mutagenic, Toxic for reproduction) substances graded 1A, 1B or 2 in accordance with the Annex VI of the European Regulation 1272/2008 and its amendments to our product listed below.

Fruitliquid Raspberry SB fulfils the requirement of Article 15 of the European Regulation 1223/2009 and its amendments.

Botanical preparations which contain technically unavoidable traces or impurities of plant constituents listed as CMR in the European Regulation 1272/2008 are not affected by the exclusion listed in Article 15 of the European Regulation 1223/2009.

VOC:

Fruitliquid Raspberry SB contains Methanol (maximum expected 6 ppm) as impurity from Glycerin. This content is based on conclusion by analogy.

However, VOC content is not a part of our routine analytical procedures and quality control system; therefore, they are not measured on a regular basis.

Proposition 65:

The ingredients constituting Fruitliquid Raspberry SB A are not known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act of which we regularly follow the updates.

Methanol (impurity from glycerin): Maximum expected 6 ppm.

Palm Oil:

We herewith confirm that palm oil and palm kernel oil are not used as raw materials and are not intentionally added in Fruitliquid Raspberry SB, and that it is not produced from palm oil or palm kernel oil derived ingredients, with reference to the confirmation of our raw materials suppliers.

Petrochemicals derivatives:

We herewith confirm that Fruitliquid Raspberry SB is not derived from petrochemicals raw materials.

However, according to our raw materials suppliers Sodium Benzoate (approx. 0.6 %) is used as raw material and may be derived from petrochemicals.

Irradiation:

We herewith confirm that Fruitliquid Raspberry SB has not been irradiated radioactively.

Allergens – EU Cosmetic Regulation:

We herewith confirm that Fruitliquid Raspberry SB, meets the following properties:

CAS-No.	Allergen	Content expected
122-40-7	Amyl cinnamic aldehyde	not expected
101-85-9	Amyl cinnamic alcohol	not expected
105-13-5	Anisyl alcohol	not expected
100-51-6	Benzyl alcohol	not expected
120-51-4	Benzyl benzoate	not expected
103-41-3	Benzyl cinnamate	not expected
118-58-1	Benzyl salicylate	not expected
104-55-2	Cinnamic aldehyde	not expected
104-54-1	Cinnamic alcohol	not expected
5392-40-5	Citral	not expected
106-22-9	Citronellol	not expected
91-64-5	Coumarin	not expected
97-53-0	Eugenol	not expected
4602-84-0	Farnesol	not expected
106-24-1	Geraniol	not expected
101-86-0	Hexyl cinnamaldehyde	not expected
107-75-5	Hydroxycitronellal	not expected
97-54-1	Isoeugenol	not expected
80-54-6	Lilial	not expected*
5989-27-5	d-Limonene	not expected
78-70-6	Linalool	not expected
31906-04-4	Lylal	not expected*
111-12-6	Methyl heptine carbonate	not expected
127-51-5	Methyl ionone alpha iso	not expected
90028-68-5	Oakmoss	not expected
90028-67-4	Tree Moss	not expected

** They are synthetic substances that do not occur in botanicals.*

None of the 26 identified allergen perfume compounds have been added to the product.

The absence of any of these 26 allergens cannot be confirmed, but we attest that they cannot technically occur due to the extraction process used.

This information is based on risk estimation which is based on botanical and phytomedicinal reference literature and conclusions by analogy.

Allergens – Food:

We herewith confirm that Fruitliquid Raspberry SB, meets the following properties:

Allergens	Presence expected	Used in production site
Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybrids) and products thereof	No	Yes
Crustaceans and products thereof	No	No
Eggs and products thereof	No	Yes
Fish and products thereof	No	Yes
Peanuts and products thereof	No	Yes
Soybeans and products thereof	No	Yes
Milk and products thereof (including lactose)	No	Yes
Nuts (i.e. almond, hazelnut, walnut, cashew, pecan, Brazil nut, pistachio nut, macadamia nut, Queensland nut) and products thereof	No	Yes
Celery and products thereof	No	No
Mustard and products thereof	No	No
Sesame seeds and products thereof	No	Yes
Lupin and products thereof	No	Yes
Molluscs and products thereof	No	Yes
Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg expressed or 10 mg/litre as SO ₂	No	Yes

*Most common food allergens according to EU Directive 2007/68/EC modifying Annex III bis of directive 2000/13/EC

None of the food allergens above listed is used as raw materials in the above mentioned Crodarom products. With reference to the confirmation of our raw materials suppliers, no other ingredient used in the composition of this product derives from any of the a.m. allergens.

Cross-contamination cannot be excluded considering that some of the raw materials used in our production site may derive from food allergens or contain them as impurities, but the risk is expected to be very low as adequate quality measures are implemented to limit the occurrence of contamination.

However, these allergens are not a part of our routine analytical procedures and quality control system (except the manufacturing protocol when used as ingredients). Therefore, their presence or absence are not measured on a regular basis.

We herewith confirm below the contents according to the ISO 16128-1 and ISO 16128-2 standards (including formulation water) of Fruitliquid Raspberry SB is:

Natural content (%)	Derived natural content (%)*	Organic content (%)	Derived organic content (%)
38,4	99,4	0,0	0,0

*: based on an index of natural origin = 1 for the ingredient Glycerin (Carbon 14 method).

However, this information is calculated according to our interpretation of the standard ISO 16128, theoretical composition and information communicated by our suppliers.

It is likely to evolve along the way of discussions with professional federations of cosmetic industry.

III. REGULATORY INFORMATION

REACH:

Crodarom SAS is committed to meet the requirements set out in the REACH (Registration Evaluation and Authorization of Chemicals) regulations and we are working with our suppliers to ensure a continued supply of the below mentioned Crodarom product.

Fruitliquid Raspberry SB is so called preparation composed of ingredients (named under REACH as substances).

INCI	CAS	EINECS	REACH status	Comment
Glycerin	56-81-5	200-289-5	Exempt	Annex V
Water	7732-18-5	231-791-2	/	/
Rubus Idaeus (Raspberry) Fruit Extract	84929-76-0	284-554-0	Exempt	Production <1T/yr
Sodium Benzoate	532-32-1	208-534-8	Registered	01-2119460683-35
Citric Acid	5949-29-1	611-842-9	Registered	01-2119457026-42
Maltodextrin	9050-36-6	232-940-4	Exempt	Annex IV

If in the future the amount of a substance produced by Crodarom would exceed the 1T/year limit, we ensure its registration.

We do not anticipate any disruptions of this Crodarom product supplied to our customers. However changes to the product portfolio may become necessary also for reasons not connected with REACH.

SVHC

Substances of Very High Concern (SVHC; in REACH's Appendix XIV substances' list subjected to authorization) have not been added in the above mentioned product and are not expected to be impurities of the raw materials used in this product

Chemical Inventory Status:

Ingredient PCPC INCI Name	CAS	China IECSC	Canada DSL / NDSL	Australia AICIS	New Zealand NZIoC	Philippines PICCS	Taiwan TCSI
Glycerin	56-81-5	Listed	Listed	Listed	Listed	Listed	Listed
Water	7732-18-5	Listed	Listed	Listed	Listed	Listed	Listed
Rubus Idaeus (Raspberry) Fruit Extract	84929-76-0	Listed	Not listed	Listed	Listed	Listed	Listed
Sodium Benzoate	532-32-1	Listed	Listed	Listed	Listed	Listed	Listed
Citric Acid	5949-29-1	Listed	Listed	Listed	Listed	Listed	Listed
Maltodextrin	9050-36-6	Listed	Listed	Listed	Listed	Listed	Listed

USA:

The product complies with US legislation applicable to cosmetic ingredients. Cosmetic ingredients are exempt from TSCA (Toxic Substances Control Act).

Canada:

- Non listed DSL substances can be imported in quantities not exceeding 100kg/year/importer,
- NDSL substances can be imported in quantities not exceeding 1000kg/year/import.

Australia:

- Non-hazardous substances introduced at 1% or less in cosmetic are exempt from AICS listing (annual report to NICNAS before or on 28 September each year),
- No unreasonable risk substances imported at not more than 10kg in a 12-month period are exempt from AICS listing (annual report to NICNAS before or on 28 September each year),
- No unreasonable risk substances imported at not more than 100kg in a 12-month period are exempt from AICS listing with notification (annual report to NICNAS before or on 28 September each year),
- "Naturally occurring" according to the NICNAS definition are exempt of AICS listing.

Cosmetic Status:

Ingredient INCI Name PCPC	China (IECIC 2021)	Japan	Korea
Glycerin	甘油	グリセリン	글리세린
Water	水	水	정제수
Rubus Idaeus (Raspberry) Fruit Extract	覆盆子 (RUBUS IDAEUS) 果提取物	キイチゴエキス	라즈베리추출물
Sodium Benzoate	苯甲酸钠	安息香酸Na	소듐벤조에이트
Citric Acid	柠檬酸	クエン酸	시트릭애씨드
Maltodextrin	麦芽糊精	マルトデキストリン	말토덱스트린

EU Cosmetic Regulation:

We herewith confirm that, Fruitliquid Raspberry SB complies with the European Cosmetic Regulation EC 1223/2009.

- Substances listed in Annexes II, III, IV and VI of the European Cosmetic Regulation 1223/2009 EC are not used as raw material and are not intentionally added.

Botanical preparations which contain technically unavoidable traces or impurities of plant constituents listed in Annexes II or III are not affected by the exclusion or restriction of the European Regulation 1223/2009.

- Preservative used is listed in Annex V of the European Cosmetic Regulation 1223/2009 EC:
Sodium Benzoate: approx. 0.6 %

Furthermore, according to Annex V of the European Cosmetic Regulation No 1223/2009, the following preservatives are subject to restriction:

- Sodium Benzoate: Its maximum concentration in ready-to-use preparations is 2,5 % (acid form) for rinse-off products; 1,7 % (acid form) for oral-care products; 0,5 % (acid form) for non-rinsed products.

Nanomaterial:

Fruitliquid Raspberry SB is not a nanomaterial and does not contain any nanomaterial, according to the Cosmetic Regulation (EC) No 1223/2009 and French Decree n° 2012-232 from 17th of February 2012.

Microplastics:

Fruitliquid Raspberry SB is not expected to contain microplastics with reference to the confirmation of our raw materials suppliers.

BSE/TSE:

Fruitliquid Raspberry SB is originated from synthetic, biotechnological and plant raw material with reference to the confirmation of our raw materials suppliers.

None of the ingredients used to produce this product are of bovine, ovine, equine or porcine origin. Therefore, Bovine Spongiform Encephalopathy (BSE) / Transmitting Spongiform Encephalopathy (TSE) risk, as defined in the European Commission Decision 97/534/EC and EMEA/410/10, does not concern this product.

CITES:

Fruitliquid Raspberry SB does not contain endangered species (source CITES list) and is not subject to the Convention of Washington to our knowledge to date.

The plants raw materials used are not parts of Annexes I, II and III of the Convention of Washington.

Information about the packaging:

According to information provided by our suppliers, we can confirm that packaging used for Fruitliquid Raspberry SB is conform with the following requirements:

- The packaging is made from HDPE (High Density PolyEthylene)
- is compliant with European REACH regulation CE 1907/2006
- is compliant with European Directive 94/62/CE on packaging and packaging waste
- is compliant to European regulation CE 10/2011 and conform for food use
- is free from animal products and derivatives, free of silicones, free of bisphenol A and phthalates and not concerned by nanotechnologies

IV. INFORMATION ON ANIMAL TESTING

ur supplier confirms that since 1990, our products have not been tested on animals in order to meet the requirements of the Cosmetic Regulation and we will not carry out animal tests in the future to meet the requirements of the Cosmetic Regulation.

We are aware that the individual substances that comprise our products may have been tested on animals in the past, but these tests were not carried out either by or on the request

They therefore confirm the compliance of our products with the Cosmetic Regulation 1223/2009 concerning the ban on testing in animals in order to meet the requirements of the Cosmetic Regulation.

V. ACTIVES and EFFECTS

Main actives in the plant:

- ⇒ Tannins
- ⇒ Fruits acids
- ⇒ Sugars, proteins

Main actives in the extract:

Not determined

VI. TOXICOLOGICAL DATA

Toxicity tests on the product

We herewith confirm that no NOAEL measure has been made on this product.

We haven't carried out clinical studies on Fruitliquid Raspberry SB but according to literature, Glycerin and *Rubus idaeus* don't contain potentially toxic compounds and they are safe when used appropriately.

Toxicological profile of the ingredients

Raspberries fruits are eaten since hundreds of years and no adverse effects are reported. In 1735, the Irish herbalist K'Eogh described raspberry fruits as good for the heart and diseases of the mouth.

Raspberry is appreciated for its high content in antioxidants, vitamins C, B1 and B3 and minerals. Raspberry leaves are known for their astringent and anti-inflammatory properties. In herbal tea, they are known to improve digestion and ease childbirth and in decoction to soothe irritations and cleanse the skin by topical application. (1) (2)

CIR (2019) (3) concluded that Glycerin is safe as a cosmetic ingredient.

CIR (2001) (4) published a final report on the safety assessment of benzyl alcohol, benzoic acid, and sodium benzoate with the conclusion that benzyl alcohol, benzoic acid, and sodium benzoate are safe for use in cosmetic formulations at concentrations up to 5%.

The CIR Expert Panel (Panel) (5) concluded that citric acid is safe in the present practices of use and concentration.

⇒ Human skin irritation:

Glycerin:	Not dermally irritating in rabbits (at concentrations up to 100%) and human; but is a mild dermal irritant at 100% in guinea pigs. (3)
Sodium Benzoate:	Not irritating when applied to the intact skin (rabbits, application of 500 mg Sodium Benzoate onto clipped skin for 4 hours using a semi-occlusive dressing, OECD 404). (6) (7)
Citric Acid:	Not a dermal irritant at concentrations up to 5% aqueous on human skin (5)

⇒ Mucous membrane irritation:

Glycerin:	Non-irritating to the eye in rabbit irritation studies in 19 laboratories and of questionable irritation in one laboratory (0,1 mL for maximum 7 days). (8)
Sodium Benzoate:	Mildly irritating to the eye, sufficient to warrant classification as Category 2 (Reversible eye effects) (rabbits, instilling 60 mg Sodium Benzoate into the eye, OECD 405) (6) (7)
Citric Acid:	Not be considered irritating to the eyes according to EU criteria (rabbits, 10% and 30% aqueous solution, observation 14 days after treatment) (OECD 405) (9) (10)

⇒ Sensitisation potential:

Glycerin:	Not dermal sensitizer, based on human studies (8)
Sodium Benzoate:	Not has to be classified and has no obligatory labelling requirement for sensitization by skin contact (mice, 5%, 10 and 20% of Sodium Benzoate). (6)
Citric Acid:	Not considered a sensitizer (OECD 429) (5) (11)

⇒ Cytotoxicity: No data available

⇒ Phototoxicity: No data available

⇒ Genotoxicity:

Glycerin:	Not mutagenic (Ames test on <i>S. typhimurium</i> at a maximum concentration of 10000 µg/plate) (3) (8) In a bone marrow chromosomal aberration assay, glycerin was not clastogenic when administered by injection into the abdomens of rats at 1000 mg/kg (3)
Sodium Benzoate:	Not mutagenic in the <i>S. typhimurium</i> and <i>E. coli</i> reverse mutation assays (EOCD 471) (6) (7)
Citric Acid:	3000 µg/mL of citric acid induces cytotoxicity and micronuclei formation on lymphocytes peripheral human (50, 100, 200, 3000 µg/ml, method similar to OECD draft guideline 487). (9) Not mutagenic (Ames test on <i>S. typhimurium</i> , OECD 471) No induction of chromosomal damage in bone marrow of rats fed up with 3000 mg/kg/d for 5 days. (5) (10)

⇒ Carcinogenicity:

Glycerin:	No indication of a carcinogenic response in rats fed with 8000 mg/kg bw/d glycerol in the diet for 2 years Did not increase the incidence of tumours when Glycerin administered in the feed of rats at concentrations up to 20% for 1 year or up to 10000 mg/kg for 2 years (8)
Sodium Benzoate:	Not carcinogenic to rats and mice at doses of 1000 mg/kg bw and above for 2 years (NOAEL = 1000 mg/kg bw/d). (6) No effect on the survival or tumour distribution of the treated mice (mice, average daily intake of 5950-6200 mg/kg bw/d) (7)
Citric Acid:	No evidence of carcinogenicity (rats, approx. 2000 mg/kg bw/d, exposition for 2 years). (10)

⇒ Acute toxicity:

Glycerin:	LD ₅₀ (mice, oral) = 4090 - 38000 mg/kg LD ₅₀ (rats, oral) = 27 200 mg/kg (8) LD ₅₀ (rats, topical application) >21900 mg/kg LD ₅₀ (rabbits, topical application) >18700 mg/kg (3)
Sodium Benzoate:	LD ₅₀ (rats, oral) = 3140 mg/kg bw LD ₅₀ (rabbits, dermal) > 2000 mg/kg bw (6)
Citric Acid:	LD ₅₀ (mice, oral) = 5400 mg/kg bw (OECD 401) LD ₅₀ (rats, dermal) > 2000 mg/kg bw (OECD 401) (9) LD ₅₀ (rats, oral and dermal) > 5000 mg/kg (11)

⇒ Inhalation toxicity:

Glycerin: The NOAEL of glycerin following aerosol exposure was 167 mg/m³ based on local irritant effects on the upper respiratory tract (rats, air, Glycerin concentrations: 33, 165 and 660 mg/m³, 6 hours/ day for 5 days/week for 13 weeks). (3) (8) (12)

⇒ Chronic toxicity:

Glycerin: NOAEL (rats, oral, exposition for 2 years) = 8000-10000 mg/kg bw/d (study design followed intent of OECD 452) based on the absence of treatment related effects in high dose animals (8) (12)
NOAEL (rabbits, dermal, exposition for 8 hours/day, 5 days/week for 45 weeks) = 5040 mg/kg bw/d based on no sign of irritation (8)

Sodium Benzoate: NOAEL (rats, oral, 2 years) > 1000 mg/kg bw/d because no adverse clinical signs were observed in treated animals
NOAEL (rats, dermal, 21 days) > 2500 mg/kg bw/d based on no changes in general behaviour and appearance, body weight, clinical laboratory tests, organ weight or survival. (6)

Citric Acid: NOAEL (rats, oral, 2 years) = 1200 mg/kg bw/d. Slightly decreased growth was observed but no tissue abnormalities were found on examination of the major organs. (10)

⇒ Reproduction toxicity:

Glycerin: No effect noted on growth, fertility and reproductive performance through two generations (rats, oral at a dose level of ~2000 mg/kg/day for 90 days). (8)
No developmental toxicity of offspring of female rats, mice and rabbits (3) (8)

Sodium Benzoate: NOAEL (rats, oral, 4-generation reproductive toxicity study) = 500 mg/kg bw/d
500 mg/kg bw is the NOAEL of acid benzoic, according to SCCP, based on no side-effects on the offspring (read-across Acid Benzoic / Sodium Benzoate). (7)

VII. CONCLUSION AND RECOMMENDATIONS

According to available information from test results or bibliography, we recommend to use the product at a maximum level of: 5 % in leave on / rinse off products.

Contraindications: None known

Remarks: None

VIII. REFERENCES

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Version: 1

Date: 02/2022

This Product Information File replaces the earlier one dated 05/17.

Non-warranty

The information in this publication is believed to be accurate and is given in good faith, but no representation or warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representation or warranty, expressed or implied, is made with respect to information or products including, without limitation, warranties of merchantability, fitness for a particular purpose, non-infringement of any third-party patent or other intellectual property rights including, without limit, copyright, trademark and designs.

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		Date of first issue:	
		04.02.2016	

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : FRUITLIQUID RASPBERRY SB

Substance name : Botanical Extract

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub- : Manufacture of soap and detergents, cleaning and polishing
stance/Mixture mixtures
Cosmetic additive

1.3 Details of the supplier of the safety data sheet

Company

Madar Corporation Limited
19 - 20 Sandleheath Industrial Estate
Fordingbridge
SP6 1PA

Telephone : +441425 655 555

E-mail address : technical@madarcorporation.co.uk

1.4 Emergency telephone number

USA: 24 Hour Emergency Response Information CHEMTREC toll free: 1-800-424-9300;
direct/international: 1-703-527-3887. CANADA: GFL 1-877-898-7222. EUROPE: 00 32
3575 5555. ASIA PACIFIC - excl. China: +65 6542-9595. CHINA: +86 816-635 2206.
AUSTRALIA: +61 2 7808 3390. SOUTH AFRICA: +32 3 575 55 55. BRASIL: Ambipar 0800
117 2020. LATAM: Suatrans (+55) 11 98149-0850 / (+55) 19 3833-5300. COLOMBIA: +312
586 2890 / 310 588 1555. INDIA: +91 22 30948601/2. JAPAN: +65 6542 9595 (24時間日本
語対 応無料通話, シンガポール). TÜRKİYE: Sağlık Bakanlığı Ulusal Zehir Merkezi 114

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

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2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Remarks : No hazardous ingredients

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled : If breathed in, move person into fresh air.
If symptoms persist, call a physician.

In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.
If symptoms persist, call a physician.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed : If large quantities of this material are swallowed, call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : None known.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

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5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : In case of fire hazardous decomposition products may be produced such as:
Carbon oxides

Do not use a solid water stream as it may scatter and spread fire.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material.
Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections

None.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage : No special restrictions on storage with other products.

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Recommended storage temperature : 15 - 25 °C

Other data : Recommended storage temperature
Stable under recommended storage conditions.

7.3 Specific end use(s)

Specific use(s) : Manufacture of chemical products

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Glycerine	56-81-5	TWA (Mist)	10 mg/m ³	GB EH40
Further information	Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection
Remarks : For prolonged or repeated contact use protective gloves.

Skin and body protection : Impervious clothing

Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : clear, liquid

Colour : light yellow

Odour : No data available

Odour Threshold : No data available

pH : 3.5 - 5.5, (20 °C)

Melting point : No data available

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Boiling point	: No data available
Decomposition temperature	No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: 1.150 - 1.180 g/cm ³ (20 °C)
Solubility(ies)	
Water solubility	: soluble
Solubility in other solvents	: not determined
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: Classification Code: No data available
Oxidizing properties	: No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity

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10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

No data available

In case of fire hazardous decomposition products may be produced such as:, Carbon oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : No data available:

Acute inhalation toxicity : No data available:

Acute dermal toxicity : No data available:

Skin corrosion/irritation

Product:

Remarks: No data available

Serious eye damage/eye irritation

Product:

Remarks: No data available

Respiratory or skin sensitisation

Product:

Remarks: No data available

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Germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: No data available

Carcinogenicity

Product:

Carcinogenicity - Assessment : No data available

Reproductive toxicity

Product:

Effects on fertility :
Test substance: No data available

STOT - single exposure

Product:

Assessment: No data available

STOT - repeated exposure

Product:

Assessment: No data available

Aspiration toxicity

Product:

No data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No data available

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

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12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

12.4 Mobility in soil

Product:

Distribution among environ- : Remarks: No data available
mental compartments

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological infor- : No data available
mation

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

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14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water contaminating class : WGK 1 slightly water endangering
(Germany)

The components of this product are reported in the following inventories:

CH INV : On the inventory, or in compliance with the inventory

AICS : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

15.2 Chemical safety assessment

SECTION 16: Other information

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No

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Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

The information provided in this Safety Data Sheet 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 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.

GB / EN

Specification

Product Name: RASPBERRY LIQUID FRUIT EXTRACT!
Specification: 11/06/2020

Analy. Test Method No.	Characteristic	Specification Limits		Units
		Lower	Upper	
<hr/>				
	REVISION NUMBER	1.0		
AC018000	APPEARANCE FORM	LIQUID		
AC018000	APPEARANCE CLARITY	CLEAR		
AC018000	APPEARANCE COLOUR	PALE PINK TO PALE BROWN		
AC018000	ODOUR	CHARACTERISTIC		
FC0064A0	pH VALUE (20°C)	3.5	5.5	
FC0031A0	SPECIFIC GRAVITY (20°C)	1.150	1.180	
FC0032A0	REFRACTIVE INDEX (20°C)	1.405	1.435	
EC003000	WATER CONTENT KARL FISCHER	37.0	41.0	%
JC0054B0	TOTAL GERMS	100 MAX CFU/G		
JC0054B0	MOULDS/YEASTS	10 MAX CFU/G		

Long term storage between 15-25°C, dark in closed containers.
The performed analysis are guaranteed on original packaging.
When stored accordingly, stable during period of validity.!

MYSTIC MOMENTS

Date: 26.09.2022

STATEMENT

We hereby confirm that the below mentioned product is derived from non-animal* sources nor animal* by-products (including dairy products, honey, eggs, pearls).

ÃΩ further confirm that since 1990, this product has not been tested on animals* in order to meet the requirements of the Cosmetic Regulation neither by nor on the request of Crodarom and we will not carry out animal tests in the future to meet the requirements of the Cosmetic Regulation.

Raspberry Liquid Fruit Extract

Cross-contamination cannot be excluded considering that some of the raw materials used in our production site are from animals' origins, but the risk is expected to be very low as adequate quality measures are implemented to limit the occurrence of contamination.

This information is given in good faith with our actual knowledge and with reference to our raw materials suppliers.

** The word 'animal' is understood to refer to the entire Animal Kingdom, that is all vertebrates and all multi-cellular invertebrates.*