

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Europe

Version: 03

Date of revision:

2022/06/06

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name: **BROWXENNA® BROW HENNA BRUNETTE**
 Product code: BRUNETTE #101 NEUTRAL BROWN, BRUNETTE #102 COLD COFFEE, BRUNETTE #103 RICH TAUPE, BRUNETTE #104 DARK CHOCOLATE, BRUNETTE #105 FROSTY CHESTNUT, #106 DUST BROWN, #107 DARK EARTH, #108 WOOD WINE, #110 GRAPHITE CONCENTRATE, BLONDE #205 DARK BLONDE.

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

Use of substance/mixture: PC39: Cosmetics, personal care products. SU21 - Professional uses

1.3. Details of the supplier of the safety data sheet

Producer: GOLDEN RATIO TRADING L.L.C.
 UAE, DUBAI, OUD METHA, 8B STREET, REEM 4 BUILDING, OFFICE 5, E-MAIL: SALES@GOLDENRATIO-TRADING.COM

1.4. Emergency telephone number

LATVIA - State fire and rescue service: (+371) 112; (+371) 113;
 The national poison information center: +371 67042468;
 GERMANY - International emergency number: +49 180 2273-112.
 Transport Emergency phone number: (24 h service), phone: +49 621 60-43333;
 UNITED KINGDOM - National Poisons Information Service (24 h service),
 phone: +44 (0) 844-892-0111 (UK only);
 FRANCE - INRS FRANCE: phone: +33 (0)1 45 42 59-59.
 FOR OTHER EU COUNTRIES, please consult:
http://echa.europa.eu/help/nationalhelp_contact_en.asp
 Emergency telephone for other regions to be filled out by local business

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Product definition	Mixture
Classification according to regulation (EC) No 1272/2008:	This product is a cosmetics product and as cosmetic product does not be a subject to the CLP Regulation (EC) no 1272/2008.

2.2. Label elements

According to regulation (EC) No 1272/2008:

Symbol: None
 Signal word: None
 Hazard statements: None
 Hazardous ingredients: None
 Precautionary statements: None
 Supplemental label elements: Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings: No, not applicable.
 Tactile warning of danger ^Δ: No, not applicable.

2.3. Other hazards

Product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

See section 11 for more detailed information on health effects and symptoms.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable.

3.2. Mixtures

Solution of the following hazardous substances and non-hazardous substances.

Ingredient name	Identifiers	Conc.%	Classification according to Regulation (EC) 1272/2008 (CLP)	Type
Lawsonia Inermis Leaf Extract	EC: 284-854-1 CAS: 84988-66-9 INDEX: Not available REACH: Not available	45,10-75,78	Eye Irrit. 2B, H320	[1]

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Indigofera Tinctoria Leaf Extract	EC: 283-892-6 CAS: 84775-63-3 INDEX: Not available REACH: Not available	20,0-25,0	Skin Sens. 1, H317 Eye Irrit. 2, H319	[1]
CI 77713	EC: - CAS: 7757-69-9 INDEX: Not available REACH: Not available	1,0-10,0	No classified	-
Citric acid	EC: 201-069-1 CAS: 5949-29-1 INDEX: Not available REACH: Not available	1,0-10,0	No classified	-
Sodium persulfate/Disodium peroxodisulphate	EC: 231-892-1 CAS: 7775-27-1 INDEX: Not available REACH: Not available	1,0-5,0	Ox. Sol. 3, H272 Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Resp. Sens. 1, H334 STOT SE 3, H335	[1]
p-Phenylenediamine	EC: 203-404-7 CAS: 106-50-3 INDEX: 612-028-00-6 REACH: Not available	0,2-2,0	Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 3, H331 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
4-Aminophenol	EC: 204-616-2 CAS: 123-30-8 INDEX: 612-128-00-X REACH: Not available	0,5-0,9	Acute Tox. 4, H302 Acute Tox. 4, H332 Muta. 2, H341 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
Sodium Sulfite	EC: 231-821-4 CAS: 7757-83-7 INDEX: Not available REACH: Not available	0,1-0,2	No classified	-
Theobroma Cacao Leaf Cell Extract	EC: 283-480-6 CAS: 84649-99-0 INDEX: Not available REACH: Not available	0,05-0,1	No classified	-
Acacia Concinna Fruit (Shikakai) Powder	EC: Not available CAS: 202148-87-6 INDEX: Not available REACH: Not available	0,1-0,5	No classified	-
Embllica Officinalis Fruit (Amla) Powder	EC: 289-817-3 CAS: 90028-28-7 INDEX: Not available REACH: Not available	0,1-0,5	No classified	-
Hibiscus Rosa Sinensis (Hibiscus) Flower Powder	EC: Not available CAS: Not available INDEX: Not available REACH: Not available	0,1-0,5	No classified	-
Melaleuca Alternifolia (Tea Tree) Leaf Extract	EC: 285-377-1 CAS: 85085-48-9 INDEX: Not available REACH: Not available	0,05-0,1	Acute Tox. 4, H302 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
Myristica Fragrans (Nutmeg) Extract	EC: 282-013-3 CAS: 84082-68-8 INDEX: Not available REACH: Not available	0,01-0,05	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350 Aquatic Chronic 2, H411	[1]
Sapindus Trifoliatus Fruit Extract	EC: Not available CAS: 223748-41-2 INDEX: Not available	0,01-0,05	No classified	-

See section 16 for the full text of the H phrases declared above.

Occupational exposure limits, if available, are listed in section 8.

Type:

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.
Skin contact:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact:	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion:	Wash out mouth with water. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	There may be soreness and redness of the mouth and throat.
Delayed/immediate effects:	Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Specific treatments: Eye bathing equipment should be available on the premises.

See section 11 for more detailed information on health effects and symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	Do not use full power water jet.

5.2. Special hazards arising from the substance or mixture

Risk of explosion if heated under confinement. In a fire or if heated, a pressure increase will occur and the container may burst.
Decomposition products may include the following materials: carbon dioxide, carbon monoxide and unidentified organic and inorganic compounds.
This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterways, sewer or drain.

5.3. Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel:	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. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
6.1.2. For emergency responders:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

6.2. Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. Harmful to aquatic life with long lasting effects.

6.3. Methods and material for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. 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. Dispose of via a licensed waste disposal contractor.
Large spill: Stop leak if without risk. Move containers from spill area. Approach the 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 e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

6.4. Reference to other sections

See Section 1 for emergency contact information.
 See Section 8 for information on appropriate personal protective equipment.
 See Section 13 for additional waste treatment information

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

7.1. Precautions for safe handling

Protective measures:

Put on appropriate personal protective equipment (see Section 8). Avoid getting in eyes or on skin or clothing. Avoid breathing vapor or mist. Avoid ingesting. Avoid relies to environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 residues and can be hazardous. Do not reuse container.

Advice on general occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store between +5 °C and +25 °C. Keep away from heat and sources of ignition. 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. Do not store in unlabeled containers.

Do not store above the following temperature:

No specific recommendation.

7.3. Specific end use(s)

Recommendations:

Customer use.

Industrial sector specific solutions:

Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance.

8.1. Control parameters

Occupational exposure limits

Limit values are laid down throughout the EU, but each Member State establishes its own national OELs, often going beyond EU legislation ((IOELV). OELs are set by competent national authorities and other relevant institutions.

EU: Indicative Occupational Exposure Limit Value (IOELV):

Substance name	Limit value 8 hours		Limit value short term	
	mg/m ³	ppm	mg/m ³	ppm
Values not established	-	-	-	-

Latvia (AER, reg.325/2011):

Substance name	Limit value 8 hours		Limit value short term (15 min)	
	mg/m ³	ppm	mg/m ³	ppm
Values not established	-	-	-	-

United Kingdom EH40/2005

Substance name	Limit value 8 hours		Limit value short term (15 min)	
	mg/m ³	ppm	mg/m ³	ppm
Values not established	-	-	-	-

Recommended monitoring Procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

8.2.Exposure controls

Appropriate engineering Controls:

Use with adequate ventilation.

Individual protection measures:

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection:

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Fine powder.
Colour	Brown.
Odour	Characteristic.
Odour threshold	Not applicable.
pH	Not available.
Mass fraction of Hydrogen Peroxide, %	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not available.
Solubility(ies)	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information

Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Reactive or incompatible materials not known.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity estimate (ATE): Product is not classified.

Acute toxicity of ingredients:

Sodium persulfate/Disodium peroxodisulphate	LD50 (Oral) LD50 (Dermal) LC50 (Inhal.)	Rat Rat Rat	920 mg/kg bw > 2000 mg/kg bw > 5.1 mg/L	4
p-Phenylenediamine	LD50 (Oral) LD50 (Dermal) LC50 (Inhal.)	Rat Rabbit Rat	75 mg/kg bw > 5000 mg/kg bw 0.92 mg/L	4 h
4-Aminophenol	LD50 (Oral) LD50 (Dermal) LC50 (Inhal.)	Rat Rabbit Rat	671 mg/kg bw > 8000 mg/kg bw > 3.42 mg/L air	4 h
Melaleuca Alternifolia (Tea Tree) Leaf Extract	LD50 (Oral) LD50 (Dermal) LC50 (Inhal.)	Rat Rabbit Rat	2.6 ml/kg > 2000 mg/kg bw 4.78 mg/L air	4 h

Irritation/ Corrosion: Product is not classified.

Lawsonia Inermis Leaf Extract	Skin: Irritating. Eye: Irritating.
Indigofera Tinctoria Leaf Extract	Skin: Not irritating. Eye: Irritating.
Sodium persulfate/Disodium peroxodisulphate	Skin: Irritating. Eye: Not irritating.
p-Phenylenediamine	Skin: Not irritating. Eye: Irritating.
4-Aminophenol	Skin: Not irritating. Eye: Not irritating.
Melaleuca Alternifolia (Tea Tree) Leaf Extract	Skin: Irritating. Eye: Not irritating.

Sensitisation: Product is not classified.

Indigofera Tinctoria Leaf Extract	Skin: Sensitising. Respiratory: No known effect according to our database.
Sodium persulfate/Disodium peroxodisulphate	Skin: Sensitising. Respiratory: No known effect according to our database.
p-Phenylenediamine	Skin: Sensitising. Respiratory: No known effect according to our database.
4-Aminophenol	Skin: Sensitising. Respiratory: No known effect according to our database.
Myristica Fragrans (Nutmeg) Extract	Skin: Sensitising. Respiratory: No known effect according to our database.

Repeated dose toxicity: Product is not classified.

	No known effect according to our database.
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Carcinogenicity: Product is not classified.

	No known effect according to our database.
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Mutagenicity: Product is not classified.

	No known effect according to our database.
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Toxicity for reproduction: Product is not classified.

	No known effect according to our database.
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Specific target organ toxicity. Single / repeated exposure: Product is not classified.

	No known effect according to our database.
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Aspiration hazard Product is not classified.

	No known effect according to our database.
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Potential acute health effects

Inhalation:	No known significant effects or critical hazards.
Skin contact:	May cause allergic skin reaction and irritation.
Eye contact:	May cause slight eye irritation.
Ingestion:	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No known significant effects or critical hazards.
Skin contact:	Adverse symptoms may include the following: irritation, redness.
Eye contact:	Adverse symptoms may include the following: irritation, watering, redness.
Ingestion:	No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure**Short term exposure:**

Potential immediate effects:	Not available.
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Potential delayed effects:	Not available.
Long term exposure:	Not available.
Potential immediate effects:	Not available.
Potential delayed effects:	Not available.
Potential chronic health effects:	
Conclusion/Summary	Not available.
General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
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.

11.2. Other information

Not available.

SECTION 12: Ecological information**12.1. Toxicity**

p-Phenylenediamine	Short-term toxicity to fish: LC50, 4d: 100 - 3 900 µg/L. Short-term toxicity to aquatic invertebrates: LC50, 48 h: 150 - 496 µg/L. Long-term toxicity to aquatic invertebrates: NOEC, 21 d: 5.01 - 12 500 µg/L. Toxicity to aquatic algae and cyanobacteria: EC50, 72 h: 56 - 478 µg/L. Toxicity to microorganisms: EC50, 3 h: 13.4 mg/L.
4-Aminophenol	Short-term toxicity to fish: LC50, 4d: 820 µg/L. Long-term toxicity to fish: NOEC, 41 days: 49 - 130 µg/L. Short-term toxicity to aquatic invertebrates: LC50, 48 h: 89 µg/L. Long-term toxicity to aquatic invertebrates: NOEC, 21 d: 206 µg/L. Toxicity to aquatic algae and cyanobacteria: EC50, 72 h: 62 - 250 µg/L Toxicity to microorganisms: EC50, 3 h: 29.9 mg/L.

12.2. Persistence and degradability

p-Phenylenediamine	The substance is not readily biodegradable.
4-Aminophenol	The substance is not readily biodegradable.

12.3. Bioaccumulative potential

p-Phenylenediamine	log Kow <3
4-Aminophenol	BCF=46 L/kg ww

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Product (and ingredients) does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

12.6. Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance.

13.1. Waste treatment methods**Product:**

Methods of disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Hazardous waste:	Within the present knowledge of the supplier, this <u>product is regarded as hazardous waste</u> , as defined by EU Directive 91/689/EEC.
European waste catalogue (EWC):	20 01 99 Other fractions not otherwise specified

Packaging:

Methods of disposal:	The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Can be added to general waste collection after completely emptying. Incineration or landfill should only be considered when recycling is not feasible. Within the present knowledge of the supplier, <u>packaging is not regarded as hazardous waste</u> , as defined by EU Directive 91/689/EEC.
European waste catalogue (EWC):	Container: 07 06 99-wastes not otherwise specified

SECTION 14: Transport information

This preparation is classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

International transport regulations:

14.1. UN number	This product does not require a classification for transport.
14.2. UN proper shipping name	This product does not require a classification for transport.

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14.3. Transport hazard class(es)	This product does not require a classification for transport.
14.4. Packing group	This product does not require a classification for transport.
14.5. Environmental hazards	This product does not require a classification for transport.
14.6. Special precautions for user	This product does not require a classification for transport.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures.

ADR - the European Agreement concerning the International Carriage of Dangerous Goods by Road, concluded at Geneva on 30 September 1957, as amended.

RID - the Regulations concerning the International Carriage of Dangerous Goods by Rail, appearing as Appendix C to the Convention concerning International Carriage by Rail (COTIF) concluded at Vilnius on 3 June 1999, as amended.

ADN - the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways concluded at Geneva on 26 May 2000, as amended.

IMDG Code - International Maritime Dangerous Goods Code.

IATA/ICAO: ICAO - International Civil Aviation Organization. IATA - International Air Transport Association.

MARPOL 73/78 - International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH):

Annex XIV - List of substances subject to authorization: Substances of very high concern: None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable.

15.2. Chemical safety assessment

Chemical Safety Assessment following regulation 1907/2006/EC: Has not been done for the product.

SECTION 16: Other information**Abbreviations and acronyms:**

Full text of abbreviations

CLP: Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]
 ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
 RID: International Rule for Transport of Dangerous Substances by Railway
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 CAS: Chemical Abstracts Service
 EINECS: European Inventory of Existing Commercial chemical Substances
 LC50: Median lethal concentration
 LD50: Median lethal dose
 REACH: Registration, Evaluation and Authorisation of Chemicals
 PBT: Persistent, bio-accumulative and toxic
 vPvB: Very persistent, very bio-accumulative

Full text of classifications and H statements [CLP/GHS]:

Flam. Liq. 2, Flammable Liquids, Hazard Category 2;
 H225 Highly flammable liquid and vapour.
Flam. Liq. 3, Flammable liquids, Hazard Category 3;
 H226 Flammable liquid and vapour.
Skin Corr. 1A, Skin corrosion, Category 1A
 H314 Causes severe skin burns and eye damage
Eye Damage 1, Serious eye damage, Category 1
 H318: Causes serious eye damage
Acute Tox. 4, Acute toxicity (oral), Category 4
 H332 Harmful if inhaled
 H302 Harmful if swallowed
Repr. 2, Reproductive toxicity, Category 2
 H361 Suspected of damaging fertility or the unborn child
Skin Irrit. 2, Skin corrosion/irritation, Hazard Category 2;
 H315 Causes skin irritation.
Skin Sens. 1, Skin sensitization, Category 1;
 H317 May cause an allergic skin reaction
Eye Irrit. 2, Serious eye damage/eye irritation, Hazard Category 2;

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H319 Causes serious eye irritation.

Aquatic Acute 1, Short-term (acute) aquatic hazard — Acute Hazard, Category 1.

H400 Very toxic to aquatic life.

Aquatic Chronic 1, Long-term (chronic) aquatic hazard, Category 1;

H410 Very toxic to aquatic life with long lasting effects.

STOT SE 3, Specific target organ toxicity — single exposure;

H336 May cause drowsiness or dizziness.

STOT SE 3, Specific target organ toxicity — single exposure;

H335 May cause respiratory irritation.

Training advice:

In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.

Key literature sources:

ECHA Database.

DISCLAIMER OF LIABILITY:

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

END OF SAFETY DATA SHEET