SAFETY DATA SHEET
Balsamterpentin

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

Date issued	27.12.2012

1.1. Product identifier

Product name	Balsamterpentin
Chemical name	Turpentine, oil

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

Use of the substance/preparation	Solvents.

1.3. Details of the supplier of the safety data sheet

Company name	Ottosson Färgmakeri AB
Postal address	Lillegårdsvägen 14
Postcode	247 70
City	Genarp
Country	Sweden
Tel	004640482574
Fax	004640482670
E-mail	info@ottossonfarg.com
Website	http://www.ottossonfarg.com
Contact person	Gunnar Ottosson

1.4. Emergency telephone number

Emergency telephone	Giftinformationscentralen:112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC	Xn,Xi,N; R20/21/22,R36/38,R43,R51/53,R65
Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]	Flam. Liq. 3; H226; Acute tox. 4; H302; Acute tox. 4; H312; Skin Irrit. 2; H315; Skin Sens. 1; H317; Eye Irrit. 2; H319; Acute tox. 4; H332; Aquatic Chronic 2; H411;

2.2. Label elements

Hazard Pictograms (CLP)

Composition on the label	Turpentine, oil: 100 %
Signal word	Danger
Hazard statements	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways.

	H312 Harmful in contact with skin. H315 Causes Skin irritation. H317 May cause an allergic skin reaction. H319 Causes Serious eye irritation. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/container to hazardous waste collection point.

2.3. Other hazards

PBT / vPvB	This substance is not classified as PBT or vPvB.
Description of hazard	Health hazard: Harmful product. Fire danger: Stored as flammable liquid. Environmental Hazards: Dangerous for the environment.

SECTION 3: Composition/information on ingredients

3.1. Substances

Component name	Identification	Classification	Contents
Turpentine, oil	CAS no.: 8006-64-2 EC no.: 232-350-7 Index no.: 650-002-00-6 Synonyms: Turpentine	R10 Xn; R20/21/22, R65 R43 Xi; R36/38 N; R51, R53 Flam. Liq. 3; H226 Acute tox. 4; H332 Acute tox. 4; H312 Acute tox. 4; H302 Asp. Tox. 1; H304 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	100 %

Component comments	R-phrases and the importance of the hazard statements are noted in section 16. Occupational exposure limits shown in Section 8, if any.

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Remove contaminated clothing. Never give anything by mouth to an unconscious person.
Inhalation	Fresh air and rest.
Skin contact	Wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Hold eyelids apart. Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth with water. Immediately give a couple of glasses of water, provided the victim is fully conscious. Get medical attention if any discomfort continues.

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

Acute symptoms and effects	Inhalation: May irritate the respiratory tract. Skin contact: Irritating to skin. May cause sensitization by skin contact. Eye contact: Irritating to eyes. Ingestion: May cause nausea and vomiting. May be fatal if swallowed and enters airways.

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

Medical monitoring for delayed effects	Chemical pneumonia may occur as long as one day after aspiration.
Other Information	Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Improper extinguishing media	Direct water jet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Flammable liquid and vapour. The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Vapours are heavier than air and may spread near ground to sources of ignition.
Hazardous combustion products	Carbon monoxide (CO). Carbon dioxide (CO2).

5.3. Advice for firefighters

Personal protective equipment	Wear self contained breathing apparatus for fire fighting and fully protective suit.
Other Information	Containers close to fire should be removed or cooled with water. Do not allow extinguishing water to the surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Provide adequate ventilation. Keep people away from the site. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors. Avoid sources of ignition
Personal precautions	Use protective equipment as indicated in Section 8.
Hazardous combustion products	Carbon monoxide (CO). Carbon dioxide (CO2).

6.1.1. For non-emergency personnel

Protective equipment	Use protective equipment as indicated in Section 8.

6.1.2. For emergency responders

For emergency responders	For small emissions: Use protective equipment as indicated in Section 8. For higher emissions: Use chemically protective clothing and breathing apparatus.

6.2. Environmental precautions

Environmental precautions	Prevent spillage entering a watercourse or sewer, contaminating soil or vegetation. If this is not possible notify police and appropriate authorities immediately.

6.3. Methods and material for containment and cleaning up

Methods for cleaning	Contain spill with vermiculite or sand, earth or other inert material and place in sealable containers. Collected product is disposed of as hazardous waste, see section 13.

6.4. Reference to other sections

Other instructions	See section 8 in terms of personal protective equipment. See section 13 with regard to waste management.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Ensure good ventilation. Avoid contact with skin, eyes and clothing. Avoid breathing vapors of this product. Keep away from heat, sparks and open flame. Wash hands before break and after work.

Protective Measures

Measures To Prevent fire	Avoid contact with ignition sources.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Stored as flammable liquid. Store in a cool dry place in tightly closed packaging in a well-ventilated area separate from sources of ignition. No smoking. Secure cylinders in an upright position at all times, close all valves when not in use.
Special risks and properties	Do not store the produkt near heat, sparks or open flames.
Conditions To Avoid	Keep away from strong oxidizing agents.

7.3. Specific end use(s)

Specific use(s)	Solvents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Component name	Identification	Value	Year
Turpentine, oil	CAS no.: 8006-64-2 EC no.: 232-350-7 Index no.: 650-002-00-6 Synonyms: Turpentine	8 h.: 100 ppm 8 h.: 566 mg/m3 15 min.: 150 ppm 15 min.: 850 mg/m3	2011

8.2. Exposure controls

Occupational exposure controls	Ensure good ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing vapors of this product. Wash hands before break and after work. Do not eat, drink or smoke when using this product.

Respiratory protection

Respiratory protection	In case of inadequate ventilation or when the product is heated, use suitable respiratory equipment with gas filter (type A2).

Hand protection

Suitable gloves type	Use protective gloves made of: Nitrile.

Eye / face protection

Eye protection	Use safety goggles or face shield in case of splash risk.

Skin protection

Skin protection (other than of the hands)	Wear suitable protective clothing.

Thermal hazards

Thermal hazards	Flammable product.

Appropriate environmental exposure control

Environmental exposure controls	Avoid release to water and sewage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Transparent
Odour	Slightly pungent odour.
Comments, pH (as supplied)	Not determined.

Melting point/melting range	Value: -50 °C
Comments, Melting point / melting range	Not determined.
Boiling point / boiling range	Value: 150-180 °C
Flash point	Value: 35 °C
Flammability (solid, gas)	Not applicable.
Explosion limit	Value: 0,8-6 vikt-%
Vapour pressure	Value: 6,7 hPa Test temperature: 25 °C
Specific gravity	Value: 0,860 g/cm3
Solubility in water	Insoluble.
Comments, Viscosity	Thin liquid.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	VOC: 860 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Not reactive.

10.2. Chemical stability

Stability	Stable under normal usage and storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No recommendation given.

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, sparks or open flames.

10.5. Incompatible materials

Materials to avoid	Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products	Carbon monoxide (CO). Carbon dioxide (CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Components' toxicological data

Component	Turpentine, oil
LD50 oral	Value: > 5000 mg/kg Test animal species: Rat
LD50 dermal	Value: > 2000 mg/kg Test animal species: Rabbit
LC50 inhalation	Value: 12 mgl Test animal species: Rat Duration: 6 h
Acute toxicity	Skin: Irritating to skin. Eye: Causes serious eye irritation. Ingestion: May be fatal if swallowed and enters airways.

Potential acute effects

Inhalation	Harmful by inhalation. May cause irritation to the respiratory system.
Skin contact	Harmful in contact with skin. Irritating to skin.
Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed. May cause discomfort if swallowed. May be fatal if swallowed and enters airways.

Delayed effects / repeated exposure

Sensitisation	May cause an allergic skin reaction.
STOT-single exposure	No organ damage occurs.
STOT-repeated exposure	No organ damage occurs.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity	No risk exists.
Mutagenicity	No known mutagenic properties.
Teratogenic properties	No risk exists.
Reproductive toxicity	No risk exists.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Toxic to aquatic organisms.

Components' toxicological data

Component	Turpentine, oil
Acute aquatic, fish	Value: 26 mg/l Species: Danio rerio Duration: 96 h
Acute aquatic, Daphnia	Value: 6,4 mg/l Species: Daphnia magna Duration: 48 h
Persistence and degradability	The substance is readily biodegradable.
Biodegradability	Value: 72 Test period: 28 days Method of testing: OECD 301F
Bioaccumulation	Data lacking.

12.2. Persistence and degradability

Persistence and degradability	The substance is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	Data lacking.

12.4. Mobility in soil

Mobility	Insoluble. May be mobile in the soil profile.

12.5. Results of PBT and vPvB assessment

PBT assessment results	This substance is not classified as PBT or vPvB.

12.6. Other adverse effects

Environmental details, conclusion	Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazardous waste product	Discarded product and related waste is classified as hazardous waste under the EU Waste Regulation. For disposal contact approved waste handlers. Permit required.
Hazardous waste packing	Empty, uncleaned packaging is hazardous waste.
Product classified as hazardous waste	Yes
Packaging classified as hazardous waste	Yes
EWC waste code	EWC: 08 01 11 waste paint and varnish containing organic solvents or other dangerous substances EWC: 15 01 10 packaging containing residues of or contaminated by dangerous substances
Other Information	Dispose of waste at an approved hazardous waste disposal facility.

SECTION 14: Transport information

14.1. UN number

ADR	1299
RID	1299
IMDG	1299
ICAO/IATA	1299

14.2. UN proper shipping name

ADR	TURPENTINE
RID	TURPENTINE
IMDG	TURPENTINE
ICAO/IATA	TURPENTINE

14.3. Transport hazard class(es)

ADR	3
Hazard no.	30
RID	3
IMDG	3
ICAO/IATA	3

14.4. Packing group

ADR	III
RID	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

ADR	Yes
RID	Yes
IMDG	Yes
ICAO/IATA	Yes

14.6. Special precautions for user

ADR Other applicable information	Tunnelcode:(D/E)
EmS	F-E, S-E

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

Other applicable information.	Not covered by these rules.

SECTION 15: Regulatory information

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

Other Label Information	Stored as a flammable liquid.
Legislation and regulations	The safety data sheet is prepared in accordance with Annex II of the REACH Regulation (EU) No.1907/2006. Classification according to EU Directive 2005:7 and Regulation (EU) No. 1272/2008 with their respective legislative changes.

15.2. Chemical safety assessment

Chemical safety assessment has been carried out	No
CSR required	Yes
CSR location	Chemical Safety Assessment will be carried out.

SECTION 16: Other information

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]	Flam. Liq. 3; H226; Acute tox. 4; H302; Acute tox. 4; H312;

	Skin Irrit. 2; H315; Skin Sens. 1; H317; Eye Irrit. 2; H319; Acute tox. 4; H332; Aquatic Chronic 2; H411;
List of relevant R phrases (under headings 2 and 3).	R10 Flammable. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R36/38 Irritating to eyes and skin. R43 May cause sensitization by skin contact. R51 Toxic to aquatic organisms. R51/53 Toxic to aquatic organisms, may cause long-term adverseeffects in the aquatic environment. R53 May cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed.
List of relevant H-phrases (Section 2 and 3).	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes Skin irritation. H317 May cause an allergic skin reaction. H319 Causes Serious eye irritation. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects.
Responsible for safety data sheet	Ottosson Färgmakeri AB