

Safety Data Sheet



Construction
Products Group
Europe



Revision Date 11-May-2023

Version 1

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name ALUMANATION® 301

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

Recommended Use Solvent-borne coatings

1.3 Details of the supplier of the safety data sheet

Supplier Tremco CPG UK Limited
Coupland Road
Hindley Green, WIGAN, WN2 4HT
United Kingdom
Tel : +44 1942 251400

Manufacturer Tremco CPG Inc. - U.S. Roofing
3735 Green Road
Beachwood OH 44122
US
Tel : +1 216-292-5000

For further information, please contact: info-tielt@cpg-europe.com

1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA
Chemtrec: 1-800-424-9300 USA

Europe 112
Austria +43 1 406 43 43
Belgium Poison center (BE): +32 70 245 245
Denmark Poison Control Hotline (DK): +45 82 12 12 12
Finland Poison Information Centre (FI): +358 9 471 977
France ORFILA (FR): + 01 45 42 59 59
Germany Poison Center Berlin (DE): +49 030 30686 790
Poison Center Nord: +49 551 19240 (24h available English / German)
Ireland National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566
Iceland +354 543 2222
Italy Poison Centre, Milan (IT): +39 02 6610 1029
Luxembourg 112
Netherlands National Poisons Information Centre (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
Norway Poisons Information (NO): + 47 22 591300
Portugal Poison Information Centre (PT): +351 800 250 250
Spain Poison Information Service (ES): +34 91 562 04 20
Sweden Poisons Information Center (SV): +46 8 33 12 31

Switzerland
United Kingdom

Poison Center: Tel 145; +41 44 251 51 51
111 / 0300 020 0155

2. Hazards identification

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Aspiration toxicity	Category 1 - (H304)
Skin corrosion/irritation	Category 2 - (H315)
Specific target organ toxicity - repeated exposure	Category 1 - (H372)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 3 - (H226)

2.2 Label elements



Signal Word
Danger

Hazard Statements

H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H372 - Causes damage to organs through prolonged or repeated exposure if inhaled
Central nervous system (CNS)
H411 - Toxic to aquatic life with long lasting effects
H226 - Flammable liquid and vapour

Precautionary Statements - EU (§28, 1272/2008)

P260 - Do not breathe dust/fume/gas/mist/vapours/spray
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P243 - Take action to prevent static discharges
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331 - Do NOT induce vomiting
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P273 - Avoid release to the environment

Contains Stoddard solvent; Low boiling point naphtha - unspecified , Nonane

2.3. Other Hazards

No information available

3. Composition/information on ingredients

3.1 Substances

This product is a mixture. Health hazard information is based on its components

3.2 Mixtures

Chemical Name	EC-No	CAS No.	Weight-%	GHS Classification	REACH Registration Number
Stoddard solvent; Low boiling point naphtha - unspecified	232-489-3	8052-41-3	25 - 50	Skin Irrit. 2 (H315) Asp. Tox. 1 (H304) STOT RE 1 (H372)(CNS) Aquatic Chronic 3 (H412) Flam Liq. 1 (H226)	01-2120261965-45-XX XX
ASPHALT	232-490-9	8052-42-4	10 - 25	no data available	01-2119480172-44-XX XX
Nonane	203-913-4	111-84-2	1 - 2.5	Flam. Liq. 3(H226) Skin Irrit. 2(H315) Asp. Tox. 1(H304) STOT SE 3(H336) Aquatic Chronic 1(H410) Aquatic Acute 1(H400)	no data available
Trimethylbenzene, mixed isomers	247-099-9	25551-13-7	1 - 2.5	Flam. Liq. 3(H226) Acute Tox.(H302) Acute Tox.(H312) Skin Irrit. 2(H315) Eye Irrit. 2(H319)	no data available
1,2,4-Trimethylbenzene	202-436-9	95-63-6	< 1	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226)	01-2119472135-42-XX XX
XYLENE	-	1330-20-7	< 0.1	STOT SE 3 (H335) STOT RE 2 (H373) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Flam. Liq. 3 (H226)	01-2119488216-32-XX XX
Naphthalene	202-049-5	91-20-3	< 0.1	Acute Tox. 4 (H302) Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available
Ethylbenzene	202-849-4	100-41-4	< 0.1	Acute Tox. 4 (H332) STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225)	01-2119489370-35-XX XX

For the full text of the H-Statements mentioned in this Section, see Section 16

4. First Aid Measures

4.1 Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance. When symptoms persist or in all

cases of doubt seek medical advice.

Inhalation

Immediate medical attention is required. Move to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a doctor.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Use a mild soap if available. Call a physician if irritation develops or persists.

Eye contact

Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Ingestion

Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed**Symptoms**

Causes respiratory tract irritation.

4.3 Indication of any immediate medical attention and special treatment needed**Notes to physician**

Symptoms may be delayed.

5. Fire-Fighting Measures

5.1 Extinguishing media**Suitable extinguishing media**

Use water spray, fog, Carbon dioxide (CO₂), foam or dry chemical.

Extinguishing media which shall not be used for safety reasons

High volume water jet.

5.2 Special hazards arising from the substance or mixture

Flash back possible over considerable distance. Hazardous decomposition products formed under fire conditions.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Keep containers and surroundings cool with water spray. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures**Personal precautions**

Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist.

Advice for emergency responders

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow material to contaminate ground water system.

6.3 Methods and materials for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Electrical equipment should be protected to the appropriate standard.

6.4 Reference to other sections

See section 8 for more information.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Electrical equipment should be protected to the appropriate standard. Keep away from sources of ignition - No smoking. Use only in area provided with appropriate exhaust ventilation. Use only explosion-proof equipment.

Hygiene measures

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep locked up or in an area accessible only to qualified or authorised persons. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store in original container.

7.3 Specific end uses

Specific use(s)

Refer to technical data sheet.

Exposure scenario

No information available.

8. Exposure controls/personal protection

8.1 Control parameters

Exposure Limit Values

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
Stoddard solvent; Low boiling point naphtha - unspecified 8052-41-3			TWA: 100 ppm TWA: 533 mg/m ³	TWA: 25 ppm TWA: 145 mg/m ³		
ASPHALT 8052-42-4			TWA: 5 mg/m ³	TWA: 1 mg/m ³		
Nonane 111-84-2			TWA: 200 ppm TWA: 1065 mg/m ³	TWA: 200 ppm TWA: 1050 mg/m ³	TWA: 200 ppm TWA: 1100 mg/m ³ STEL: 250 ppm STEL: 1300 mg/m ³	TWA: 200 ppm TWA: 1050 mg/m ³ TWA: 1000 mg/m ³ STEL: 1500 mg/m ³
Trimethylbenzene, mixed isomers		STEL 30 ppm STEL 150 mg/m ³	TWA: 20 ppm TWA: 100 mg/m ³	TWA: 20 ppm TWA: 100 mg/m ³	TWA: 20 ppm TWA: 100 mg/m ³	TWA: 150 mg/m ³ TWA: 1000 mg/m ³

25551-13-7		TWA: 20 ppm TWA: 100 mg/m ³				STEL: 1500 mg/m ³
1,2,4-Trimethylbenzene 95-63-6	TWA 20 ppm TWA 100 mg/m ³	STEL 30 ppm STEL 150 mg/m ³ TWA: 20 ppm TWA: 100 mg/m ³		TWA: 20 ppm TWA: 100 mg/m ³	TWA: 20 ppm TWA: 100 mg/m ³	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³
XYLENE 1330-20-7	S* TWA 50 ppm TWA 221 mg/m ³ STEL 100 ppm STEL 442 mg/m ³	Skin STEL 100 ppm STEL 442 mg/m ³ TWA: 50 ppm TWA: 221 mg/m ³	TWA: 50 ppm TWA: 221 mg/m ³ S* STEL: 100 ppm STEL: 442 mg/m ³	TWA: 25 ppm TWA: 109 mg/m ³ Skin	TWA: 50 ppm TWA: 220 mg/m ³ STEL: 100 ppm STEL: 440 mg/m ³ Skin	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³
Naphthalene 91-20-3	TWA 10 ppm TWA 50 mg/m ³	Skin TWA: 10 ppm TWA: 50 mg/m ³	TWA: 10 ppm TWA: 53 mg/m ³ S* STEL: 15 ppm STEL: 80 mg/m ³	TWA: 0.2 mg/m ³	TWA: 1 ppm TWA: 5 mg/m ³ STEL: 2 ppm STEL: 10 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³
Ethylbenzene 100-41-4	S* TWA 100 ppm TWA 442 mg/m ³ STEL 200 ppm STEL 884 mg/m ³	Skin STEL 200 ppm STEL 880 mg/m ³ TWA: 100 ppm TWA: 442 mg/m ³	TWA: 100 ppm TWA: 442 mg/m ³ S* STEL: 125 ppm STEL: 551 mg/m ³	TWA: 50 ppm TWA: 217 mg/m ³ Skin	TWA: 50 ppm TWA: 220 mg/m ³ STEL: 200 ppm STEL: 880 mg/m ³ Skin	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
Stoddard solvent; Low boiling point naphtha - unspecified 8052-41-3		TWA: 25 ppm TWA: 145 mg/m ³ S* Ceiling: 50 ppm Ceiling: 290 mg/m ³	TWA: 100 ppm TWA: 573 mg/m ³	TWA: 100 ppm TWA: 573 mg/m ³		
ASPHALT 8052-42-4	H*	TWA: 5 mg/m ³ fume Ceiling: 10 mg/m ³	TWA: 0.5 mg/m ³ STEL: 10 mg/m ³	TWA: 0.5 mg/m ³		
Nonane 111-84-2		TWA: 200 ppm TWA: 1100 mg/m ³ Ceiling: 400 ppm Ceiling: 2200 mg/m ³	TWA: 200 ppm TWA: 1050 mg/m ³ STEL: 600 ppm STEL: 3150 mg/m ³	TWA: 200 ppm TWA: 1049 mg/m ³		
Trimethylbenzene, mixed isomers 25551-13-7	TWA: 20 ppm TWA: 100 mg/m ³	TWA: 20 ppm TWA: 100 mg/m ³ Ceiling: 40 ppm Ceiling: 200 mg/m ³	TWA: 20 ppm TWA: 100 mg/m ³ STEL: 60 ppm STEL: 300 mg/m ³ Skin	TWA: 25 ppm TWA: 123 mg/m ³		STEL: 200 mg/m ³
1,2,4-Trimethylbenzene 95-63-6	TWA: 20 ppm TWA: 100 mg/m ³	TWA: 20 ppm TWA: 100 mg/m ³ Ceiling: 40 ppm Ceiling: 200 mg/m ³	TWA: 20 ppm TWA: 100 mg/m ³ STEL: 60 ppm STEL: 300 mg/m ³	TWA: 20 ppm TWA: 100 mg/m ³	TWA: 20 ppm TWA: 100 mg/m ³	STEL: 200 mg/m ³ TWA: 100 mg/m ³
XYLENE 1330-20-7	TWA: 100 ppm TWA: 440 mg/m ³ Skin	TWA: 25 ppm TWA: 109 mg/m ³ S* Ceiling: 50 ppm Ceiling: 218 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³	TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ Skin	TWA: 50 ppm TWA: 221 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³ TWA: 100 ppm TWA: 434 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ Skin	STEL: 100 ppm STEL: 442 mg/m ³ TWA: 50 ppm TWA: 221 mg/m ³	Skin STEL: 442 mg/m ³ TWA: 210 mg/m ³
Naphthalene 91-20-3	Skin TWA: 0.1 ppm TWA: 0.5 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³ Ceiling: 20 ppm Ceiling: 100 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 15 ppm STEL: 75 mg/m ³	STEL: 15 ppm STEL: 79 mg/m ³ TWA: 10 ppm TWA: 52 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³	STEL: 80 mg/m ³ TWA: 50 mg/m ³
Ethylbenzene 100-41-4	TWA: 20 ppm TWA: 88 mg/m ³ Skin	TWA: 50 ppm TWA: 200 mg/m ³ S* Ceiling: 100 ppm Ceiling: 400 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³	TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ Skin	TWA: 100 ppm TWA: 442 mg/m ³ TWA: 20 ppm TWA: 87 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ Skin	S* STEL: 200 ppm STEL: 884 mg/m ³ TWA: 100 ppm TWA: 442 mg/m ³	Skin STEL: 430 mg/m ³ TWA: 215 mg/m ³
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
Stoddard solvent; Low boiling point naphtha - unspecified 8052-41-3		TWA: 100 ppm		LLV: 0.1 mg/m ³ S* STV: 60 ppm STV: 350 mg/m ³	TWA: 100 ppm TWA: 525 mg/m ³	

				STV: 100 ppm STV: 600 mg/m ³		
ASPHALT 8052-42-4	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 0.5 mg/m ³	TWA: 0.5 mg/m ³		Skin TWA: 10 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³
Nonane 111-84-2	TWA: 100 ppm TWA: 525 mg/m ³ TWA: 40 ppm TWA: 275 mg/m ³ STEL: 125 ppm STEL: 656.25 mg/m ³ STEL: 60 ppm STEL: 343.75 mg/m ³	TWA: 200 ppm	TWA: 200 ppm TWA: 1065 mg/m ³		TWA: 200 ppm TWA: 1050 mg/m ³	
Trimethylbenzene, mixed isomers 25551-13-7	TWA: 20 ppm TWA: 100 mg/m ³ STEL: 30 ppm STEL: 125 mg/m ³	TWA: 25 ppm		LLV: 25 ppm LLV: 120 mg/m ³ Indicative STLV: 35 ppm Indicative STLV: 170 mg/m ³	STEL: 40 ppm STEL: 200 mg/m ³ TWA: 20 ppm TWA: 100 mg/m ³	STEL: 75 ppm STEL: 375 mg/m ³ TWA: 25 ppm TWA: 125 mg/m ³
1,2,4-Trimethylbenzene 95-63-6	TWA: 20 ppm TWA: 100 mg/m ³ STEL: 30 ppm STEL: 150 mg/m ³	TWA: 20 ppm TWA: 100 mg/m ³	TWA: 20 ppm TWA: 100 mg/m ³	LLV: 25 ppm LLV: 120 mg/m ³ STV: 35 ppm STV: 170 mg/m ³		
XYLENE 1330-20-7	TWA: 25 ppm TWA: 108 mg/m ³ Skin STEL: 37.5 ppm STEL: 135 mg/m ³	STEL: 100 ppm STEL: 442 mg/m ³ TWA: 50 ppm TWA: 221 mg/m ³	S* STEL: 100 ppm STEL: 442 mg/m ³ TWA: 50 ppm TWA: 221 mg/m ³	LLV: 50 ppm LLV: 221 mg/m ³ S* STV: 100 ppm STV: 442 mg/m ³	Skin STEL: 200 ppm STEL: 870 mg/m ³ TWA: 100 ppm TWA: 435 mg/m ³	STEL: 100 ppm STEL: 441 mg/m ³ TWA: 50 ppm TWA: 220 mg/m ³ Skin
Naphthalene 91-20-3	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 20 ppm STEL: 75 mg/m ³	STEL: 15 ppm TWA: 10 ppm TWA: 50 mg/m ³	S* STEL: 15 ppm STEL: 80 mg/m ³ TWA: 10 ppm TWA: 53 mg/m ³	LLV: 10 ppm LLV: 50 mg/m ³ STV: 15 ppm STV: 80 mg/m ³	Skin TWA: 10 ppm TWA: 50 mg/m ³	
Ethylbenzene 100-41-4	TWA: 5 ppm TWA: 20 mg/m ³ Skin STEL: 10 ppm STEL: 30 mg/m ³	STEL: 200 ppm STEL: 884 mg/m ³ TWA: 100 ppm TWA: 442 mg/m ³	S* STEL: 200 ppm STEL: 884 mg/m ³ TWA: 100 ppm TWA: 441 mg/m ³	LLV: 50 ppm LLV: 200 mg/m ³ STV: 100 ppm STV: 450 mg/m ³	Skin STEL: 50 ppm STEL: 220 mg/m ³ TWA: 50 ppm TWA: 220 mg/m ³	STEL: 125 ppm STEL: 552 mg/m ³ TWA: 100 ppm TWA: 441 mg/m ³ Skin

TWA: time weighted average
 STEL: Short term exposure limit
 LLV: Exposure Limit Values
 STV: Short Term Value

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas. Use only in an area equipped with explosion proof exhaust ventilation.

Personal protective equipment

Eye/Face Protection
Hand Protection

Tightly fitting safety goggles.
 Solvent-resistant gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
 Long sleeved clothing. Rubber or plastic apron.
 Respirator with filter for organic vapour. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Skin and body protection
Respiratory protection

Hygiene measures

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

Environmental exposure controls Prevent product from entering drains. Do not allow material to contaminate ground water system.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Viscous liquid
Colour	Grey
Odour	Petroleum solvent
Odour Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH		
Melting/freezing point	no data available	No information available
Boiling point/boiling range	155 °C / 311 °F	
Flash Point	41 °C / 106 °F	
Evaporation rate	no data available	No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Upper explosion limit	7 vol % (Solvent)	
Lower explosion limit	0.9 vol % (Solvent)	
Vapour pressure		No information available
Vapour density	> 1	
Specific Gravity	ca. 1.06	
Water solubility	Practically insoluble	
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties		No information available
Oxidising Properties		No information available

9.2 Other information

Volatile organic compounds (VOC) content VOC : 2004/42/IIA(i)(500)425

10. Stability and Reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions. Risk of ignition.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to Avoid

Direct sources of heat. Heat, flames and sparks.

10.5 Incompatible Materials

Strong oxidising agents

10.6 Hazardous Decomposition Products

Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product Information

Inhalation	May cause irritation of respiratory tract. May cause drowsiness or dizziness.
Eye contact	There are no data available for this product.
Skin contact	Causes skin irritation.
Ingestion	May be fatal if swallowed and enters airways.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 47,389.00 mg/kg mg/l

Unknown Acute Toxicity

- < 1 % of the mixture consists of ingredient(s) of unknown toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Asphalt, oxidized	5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
ASPHALT	5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
Nonane			= 3200 ppm (Rat) 4 h
Trimethylbenzene, mixed isomers	8970 mg/kg (Rat)		
1,2,4-Trimethylbenzene	3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m ³ (Rat) 4 h

Skin corrosion/irritation

Causes skin irritation. Repeated or prolonged exposure may cause skin irritation and

dermatitis, due to degreasing properties of the product.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitisation No information available.

Germ Cell Mutagenicity No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	European Union
Naphthalene	Carc. 2

Reproductive toxicity No information available.

Specific target organ toxicity - single exposure May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure Causes damage to the following organs through prolonged or repeated exposure if inhaled:
Central nervous system (CNS).

Chronic toxicity Repeated exposure may cause skin dryness or cracking. H373 - May cause damage to the kidneys/ liver/ eyes/ brain/ respiratory system/ central nervous system through prolonged or repeated exposure if inhaled.

Target Organs Central nervous system. Eyes. Kidney. Respiratory system. Skin.

Aspiration hazard Risk of serious damage to the lungs (by aspiration).

12. Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects

< 1 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

No data are available on the product itself Discharge into the environment must be avoided Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Trimethylbenzene, mixed isomers		LC50: 96 h Pimephales promelas 7.72 mg/L flow-through	
1,2,4-Trimethylbenzene		LC50: 96 h Pimephales promelas 7.19 - 8.28 mg/L flow-through	EC50: 48 h Daphnia magna 6.14 mg/L
XYLENE		LC50: 96 h Pimephales promelas 23.53 - 29.97 mg/L static LC50: 96 h Cyprinus carpio 780 mg/L semi-static LC50: 96 h Cyprinus carpio 780 mg/L LC50: 96 h Poecilia reticulata 30.26 - 40.75 mg/L static LC50: 96 h Pimephales promelas 13.4 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 2.661 - 4.093 mg/L static LC50: 96 h Oncorhynchus mykiss 13.5 - 17.3 mg/L LC50: 96 h Lepomis macrochirus 13.1 - 16.5 mg/L flow-through LC50: 96 h Lepomis macrochirus 19 mg/L LC50: 96 h Lepomis macrochirus 7.711 - 9.591 mg/L static	EC50: 48 h water flea 3.82 mg/L LC50: 48 h Gammarus lacustris 0.6 mg/L

Naphthalene		LC50: 96 h Pimephales promelas 5.74 - 6.44 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 1.6 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 0.91 - 2.82 mg/L static LC50: 96 h Pimephales promelas 1.99 mg/L static LC50: 96 h Lepomis macrochirus 31.0265 mg/L static	LC50: 48 h Daphnia magna 2.16 mg/L EC50: 48 h Daphnia magna 1.96 mg/L Flow through EC50: 48 h Daphnia magna 1.09 - 3.4 mg/L Static
Ethylbenzene	EC50: 72 h Pseudokirchneriella subcapitata 4.6 mg/L EC50: 96 h Pseudokirchneriella subcapitata 438 mg/L EC50: 72 h Pseudokirchneriella subcapitata 2.6 - 11.3 mg/L static EC50: 96 h Pseudokirchneriella subcapitata 1.7 - 7.6 mg/L static	LC50: 96 h Oncorhynchus mykiss 11.0 - 18.0 mg/L static LC50: 96 h Oncorhynchus mykiss 4.2 mg/L semi-static LC50: 96 h Pimephales promelas 7.55 - 11 mg/L flow-through LC50: 96 h Lepomis macrochirus 32 mg/L static LC50: 96 h Pimephales promelas 9.1 - 15.6 mg/L static LC50: 96 h Poecilia reticulata 9.6 mg/L static	EC50: 48 h Daphnia magna 1.8 - 2.4 mg/L

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

May cause long-term adverse effects in the aquatic environment.

Chemical Name	log Pow
ASPHALT	6
1,2,4-Trimethylbenzene	3.63
XYLENE	3.15
Naphthalene	3.3
Ethylbenzene	3.118

12.4 Mobility in soil**Mobility in soil**

No information available.

Mobility

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects.

Discharge into the environment must be avoided.

13. Disposal Considerations

13.1 Waste treatment methods**Waste from residues / unused products**

If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not burn, or use a cutting torch on, the empty drum.

Other information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
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14. Transport Information

ADR

14.1 UN	1999
14.2 Proper shipping name	UN 1999 - TARS, LIQUID, including road asphalt and oils, bitumen and cut backs
14.3 Hazard class	3
ADR/RID-Labels	3
14.4 Packing Group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	None

IMDG

14.1 UN	1999
14.2 Proper shipping name	UN 1999 - TARS, LIQUID, including road asphalt and oils, bitumen and cut backs
14.3 Hazard class	3
14.4 Packing Group	III
14.5 Marine pollutant	Yes
Environmental hazard	Yes
14.6 Special Provisions	None
EmS	F-E, S-E
14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code	No information available

IATA

14.1 UN	1999
14.2 Proper shipping name	UN 1999 - TARS, LIQUID, including road asphalt and oils, bitumen and cut backs
14.3 Hazard class	3
14.4 Packing Group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	None

15. Regulatory information

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

National regulatory information

Germany

Chemical Name	French RG number	Title
Stoddard solvent; Low boiling point naphtha - unspecified 8052-41-3	RG 84	-
Nonane 111-84-2	RG 84	-
1,2,4-Trimethylbenzene 95-63-6	RG 84	Diseases caused by liquid organic solvents for professional use
XYLENE 1330-20-7	RG 4bis, RG 84	-
Ethylbenzene 100-41-4	RG 84	Diseases caused by liquid organic solvents for professional use

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

International Inventories

TSCA	Complies
EINECS/ELINCS	-
DSL	Complies
PICCS	Complies
ENCS	-
IECSC	Complies
AICS	Complies
KECL	Complies
NZIoC	Complies

Legend

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

15.2 Chemical Safety Assessment

No information available

16. Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H332 - Harmful if inhaled
H373 - May cause damage to organs through prolonged or repeated exposure if inhaled
H304 - May be fatal if swallowed and enters airways
H225 - Highly flammable liquid and vapour
H226 - Flammable liquid and vapour
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H410 - Very toxic to aquatic life with long lasting effects
H400 - Very toxic to aquatic life
H335 - May cause respiratory irritation
H319 - Causes serious eye irritation
H312 - Harmful in contact with skin
H302 - Harmful if swallowed
H372 - Causes damage to organs through prolonged or repeated exposure if inhaled
H412 - Harmful to aquatic life with long lasting effects
H351 - Suspected of causing cancer if inhaled
H411 - Toxic to aquatic life with long lasting effects

Prepared By RPM Belgium
Regulatory Affairs/Product Safety

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Revision Note

This data sheet contains changes from the previous version in section(s):, 1.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet