



# NIELSEN

## SAFETY DATA SHEET SUPERSHINE

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

#### 1.1. Product identifier

**Product name** SUPERSHINE  
**Internal identification** L554

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

**Identified uses** Polish.  
**Uses advised against** Use only for intended applications.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** NIELSEN CHEMICALS  
RAWDON ROAD  
MOIRA  
SWADLINCOTE  
DERBYSHIRE  
DE12 6DA  
TEL: +44 (0) 1283 222277  
FAX: +44 (0) 1283 225731  
info@nielsenchemicals.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 777 8505 330 (24 hrs). +44 (0) 1865 407333 (24 hrs). MEDICAL AND ENVIRONMENTAL EMERGENCIES ONLY.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Flam. Liq. 3 - H226  
**Health hazards** STOT SE 3 - H336 STOT RE 1 - H372  
**Environmental hazards** Aquatic Chronic 2 - H411

#### 2.2. Label elements

##### Pictogram



Signal word

Danger

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<b>Hazard statements</b>	H226 Flammable liquid and vapour. H336 May cause drowsiness or dizziness. H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. EUH208 Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.
<b>Precautionary statements</b>	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe vapour/ spray. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P280 Wear protective gloves. P312 Call a POISON CENTRE/doctor if you feel unwell. P501 Dispose of contents/ container in accordance with national regulations.
<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.
<b>Contains</b>	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</b>	<b>10-30%</b>
CAS number: 64742-82-1	EC number: 919-446-0
	REACH registration number: 01-2119458049-33-XXXX
<b>Classification</b>	
Flam. Liq. 3 - H226	
STOT SE 3 - H336	
STOT RE 1 - H372	
Asp. Tox. 1 - H304	
Aquatic Chronic 2 - H411	
<b>ALUMINIUM HYDROXIDE</b>	<b>1-5%</b>
CAS number: 21645-51-2	EC number: 244-492-7
	REACH registration number: 01-2119529246-39-XXXX
<b>Classification</b>	
Not Classified	
<b>TREATED KAOLIN</b>	<b>1-5%</b>
CAS number: 1332-58-7	EC number: 310-127-6
<b>Classification</b>	
Not Classified	

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<b>ALUMINIUM SILICATE</b>	<b>1-5%</b>
CAS number: 1344-28-1	EC number: 215-691-6
	REACH registration number: 01-2119529248-35-XXXX
<b>Classification</b> Not Classified	
<b>METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6</b>	<b>&lt;1%</b>
CAS number: 55965-84-9	
M factor (Acute) = 10	M factor (Chronic) = 10
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. Use suitable lotion to moisturise skin.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention if symptoms are severe or persist.

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

<b>Inhalation</b>	May cause drowsiness or dizziness.
<b>Ingestion</b>	Central nervous system depression. Gastrointestinal symptoms, including upset stomach.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking. May cause skin sensitisation or allergic reactions in sensitive individuals.
<b>Eye contact</b>	May cause discomfort.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

## 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Flammable liquid and vapour.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Silicon.

## 5.3. Advice for firefighters

**Protective actions during firefighting** Cool containers exposed to flames with water until well after the fire is out.

## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Take care as floors and other surfaces may become slippery. Provide adequate ventilation. Take precautionary measures against static discharges. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. Provide adequate ventilation. Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Do not empty into drains. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Usage precautions** Wear protective gloves. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Provide adequate ventilation. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Avoid release to the environment. Do not reuse empty containers. Do not eat, drink or smoke when using this product. Do not use in paint spraying equipment. Wash hands thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store at temperatures between 4°C and 40°C.

**Storage class** Flammable liquid storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

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### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

Long-term exposure limit (8-hour TWA): WEL 350 mg/m<sup>3</sup>

##### **ALUMINIUM HYDROXIDE**

Long-term exposure limit (8-hour TWA): 8 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): 4 mg/m<sup>3</sup> respirable dust

##### **TREATED KAOLIN**

Long-term exposure limit (8-hour TWA): WEL 2 mg/m<sup>3</sup>

##### **ALUMINIUM SILICATE**

Short-term exposure limit (15-minute): 10 mg/m<sup>3</sup> resp.dust

WEL = Workplace Exposure Limit

##### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (CAS: 64742-82-1)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 330 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 44 mg/kg/day Consumer - Inhalation; Long term systemic effects: 71 mg/m <sup>3</sup> Consumer - Dermal; Long term systemic effects: 26 mg/kg/day Consumer - Oral; Long term systemic effects: 26 mg/kg/day
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##### ALUMINIUM HYDROXIDE (CAS: 21645-51-2)

<b>DNEL</b>	Workers - Inhalation; Long term local effects: 3.0 mg/m <sup>3</sup> Consumer - Oral; Long term systemic effects: 6.85 mg/kg/day
<b>PNEC</b>	STP; 20 mg/l

#### 8.2. Exposure controls

##### Protective equipment



##### **Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

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### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. Protective gloves should have a minimum thickness of 0.1 mm. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. For work of short duration or where a high degree of manual dexterity is needed, use protective gloves made of: Nitrile rubber. Neoprene. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application.

### Hygiene measures

Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Appearance	Creamy liquid.
Colour	Pink.
Odour	Pleasant, agreeable.
pH	Not applicable.
Relative density	0.96 @ 25°C
Viscosity	25,000 cP @ 25°C

### 9.2. Other information

Other information	Not determined.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
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### 10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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### 10.5. Incompatible materials

Materials to avoid	Avoid contact with flammable/combustible materials.
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### 10.6. Hazardous decomposition products

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**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances:  
Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Silicon.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Specific target organ toxicity - repeated exposure

**Target organs** Central nervous system

**Inhalation** May cause drowsiness or dizziness.

**Ingestion** Central nervous system depression. Gastrointestinal symptoms, including upset stomach.

**Skin contact** Repeated exposure may cause skin dryness or cracking. May cause skin sensitisation or allergic reactions in sensitive individuals.

**Eye contact** May cause discomfort.

##### Toxicological information on ingredients.

##### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 15,000.0

**Species** Rat

**ATE oral (mg/kg)** 15,000.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 3,400.0

**Species** Rat

**ATE dermal (mg/kg)** 3,400.0

##### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEL 1056 mg/kg, Oral, Rat

**Target organs** Central nervous system

##### Aspiration hazard

**Aspiration hazard** May be fatal if swallowed and enters airways.

##### ALUMINIUM HYDROXIDE

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,000.01

**Species** Rat

**ATE oral (mg/kg)** 2,000.01

##### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l)** 7.6

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**Species** Rat

**ATE inhalation  
(dusts/mists mg/l)** 7.6

### METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub>  
mg/kg)** 53.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** Estimated value.

**ATE oral (mg/kg)** 53.0

Acute toxicity - dermal

**ATE dermal (mg/kg)** 300.0

Acute toxicity - inhalation

**ATE inhalation (vapours  
mg/l)** 3.0

Skin sensitisation

**Skin sensitisation** Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.

## SECTION 12: Ecological Information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

### 12.1. Toxicity

Acute aquatic toxicity

**Acute toxicity - fish** Not determined.

Ecological information on ingredients.

### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: <30 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic  
invertebrates** EC<sub>50</sub>, 48 hours: <22 mg/l, Daphnia magna

**Acute toxicity - aquatic  
plants** IC<sub>50</sub>, 72 hours: 4.6-10 mg/l, Algae

**Acute toxicity -  
microorganisms** EC<sub>50</sub>, 48 hours: 43.98 mg/l,

Chronic aquatic toxicity

**Chronic toxicity - aquatic  
invertebrates** NOEC, 21 days: 0.097 mg/l, Daphnia magna

### ALUMINIUM HYDROXIDE

Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hour: 10001 mg/l, Fish



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**Acute toxicity - aquatic invertebrates**      EC<sub>50</sub>, 48 hour: 10001 mg/l, Daphnia magna

### METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>**      0.01 < L(E)C<sub>50</sub> ≤ 0.1

**M factor (Acute)**      10

**Acute toxicity - fish**      Estimated value.  
LC<sub>50</sub>, 96 hours: 13 mg/l, Fish

#### Chronic aquatic toxicity

**NOEC**      0.001 < NOEC ≤ 0.01

**Degradability**      Non-rapidly degradable

**M factor (Chronic)**      10

### 12.2. Persistence and degradability

**Persistence and degradability**      The product is expected to be biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential**      The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

**Mobility**      The product is insoluble in water and will spread on the water surface.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**      This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects**      Not determined.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods**      Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

## SECTION 14: Transport information

### Special Provisions note

#### 14.1. UN number

**UN No. (ADR/RID)**      1993

**UN No. (IMDG)**      1993

**UN No. (ICAO)**      1993

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)**      FLAMMABLE LIQUID, N.O.S. (petroleum distillate)

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**Proper shipping name (IMDG)** FLAMMABLE LIQUID, N.O.S. (petroleum distillate)

**Proper shipping name (ICAO)** FLAMMABLE LIQUID, N.O.S. (petroleum distillate)

### 14.3. Transport hazard class(es)

**ADR/RID class** 3

**IMDG class** 3

**ICAO class/division** 3

### **Transport labels**



### 14.4. Packing group

**ADR/RID packing group** III

**IMDG packing group** III

**ICAO packing group** III

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**



### 14.6. Special precautions for user

**Tunnel restriction code** (D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

## SECTION 15: Regulatory information

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

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).

**EU legislation** 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 (as amended).

Commission Regulation (EU) No 453/2010 of 20 May 2010.

Commission Regulation (EU) No 2015/830 of 28 May 2015.

**Guidance** Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

## SECTION 16: Other information

## SUPERSHINE

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>EC<sub>50</sub>: 50% of maximal Effective Concentration.</p> <p>IATA: International Air Transport Association.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</p> <p>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>NOAEL: No Observed Adverse Effect Level.</p> <p>NOEC: No Observed Effect Concentration.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>UN: United Nations.</p>
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	29/08/2017
<b>Revision</b>	4.0
<b>Supersedes date</b>	10/06/2015
<b>SDS number</b>	24676
<b>Hazard statements in full</b>	<p>H226 Flammable liquid and vapour.</p> <p>H301 Toxic if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H311 Toxic in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H331 Toxic if inhaled.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>EUH208 Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.</p>

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.