

Spectrum EliteLine Q920
[Part.1 – Base | Part.2 - Activator]

P-statement(s)

H412 - Harmful to aquatic life with long lasting effects.
P233 Keep container tightly closed.
P261 Avoid breathing dust, fume, gas, mist, vapours or spray.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P401 - Store in accordance with national regulations.
P501 - Dispose of contents and container to waste disposal site in accordance with national regulations.

Supplemental hazard information None

2.3. Other hazards

Results of PBT and vPvB assessment

PBT Not applicable.
vPvB Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Substances Not applicable.

3.2. Mixtures

Description of the mixture Mixture of resins, solvents, pigments and additives.

Hazardous components

Chemical Name	Identification	% [Weight]	Classification [Regulation (EC) No. 1272/2008]
amine-functional aspartic ester resin	EC No : 429-270-1 CAS No : 136210-30-5 REACH Registration No : 01-0000017556-64	25% - 50%	H317, H412
amine-functional aspartic ester resin	EC No : 412-060-9 CAS No : 136210-32-7 REACH Registration No : 01-0000015937-58	10% - 25%	H317, H412
diethyl fumarate	EC No : 210-819-7 CAS No : 623-91-6	2.5% - 10%	H302
1-decene, homopolymer, hydrogenated	EC No : 500-183-1 CAS No : 68037-01-4 REACH Registration No : 01-2119486452-34	0.1% - 1.0%	H304

Additional information:

For the full text of the Hazard Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

General notes

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
If unconscious place in recovery position and seek medical advice.

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If inhaled	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.
In case of skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
In case of eye contact	Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
If swallowed	If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
Self-protection of the first aider	None.

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

None.

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

Immediate medical attention None.

SECTION 5: Firefighting measures

Flammable

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Suitable extinguishing media Alcohol resistant foam, CO₂, powders and water spray/mist.

Extinguishing media which must not be used for safety reasons Water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Fire will produce dense black smoke.
Exposure to decomposition products may cause a health hazard.
Appropriate breathing apparatus may be required.

5.3. Advice for firefighters

Advice for firefighters Cool closed containers exposed to fire with water.
Do not allow run-off from fire fighting to enter drains or watercourses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid breathing vapours.
Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Environmental precautions Do not allow to enter drains or watercourses.
If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

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Methods for cleaning up Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see Section 13).
Clean preferably with a detergent - avoid use of solvents.

6.4. Reference to other sections

Reference to other sections None.

SECTION 7: Handling and storage

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions on safe handling

Advice on safe handling Avoid skin and eye contact.
Avoid inhalation of vapour and spray mist.
Smoking, eating and drinking should be prohibited in application area.
For personal protection see Section 8.
Never use pressure to empty: container is not a pressure vessel.
Always keep in containers of same material as the original one.
Comply with the health and safety at work laws.
Do not allow to enter drains or watercourses.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Store in accordance with the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR.

Notes on joint storage Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Additional information on storage conditions Observe label precautions.
Store between 5°C and 25°C in a dry, well ventilated place away from sources of heat and direct sunlight.
Keep container tightly closed.
Keep away from sources of ignition.
No smoking.
Prevent unauthorised access.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
The principles contained in the HSE guidance note, Chemical Warehousing: The Storage of Packaged Dangerous Substances, should be observed when storing this product.

7.3. Specific end use(s)

Specific end use(s) None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Respiratory protection If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

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Hand protection	<p>There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. For prolonged or repeated handling, use Polyvinyl Alcohol (PVA) or Viton Rubber (FluorRubber). The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.</p>
Eye protection	<p>Use safety eyewear designed to protect against splash of liquids.</p>
Skin and body protection	<p>Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.</p>
General engineering measures	<p>Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particules and solvent vapour below the OEL, suitable respiratory protection must be worn.</p>
Environmental exposure controls	<p>Do not allow to enter drains or watercourses.</p>

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical State	Viscous liquid
Colour	Various
Odour	Slight
Odour threshold (Lower)	Not determined
Odour threshold (Higher)	Not determined
pH	Not determined
Melting point/freezing point (°C)	-1.8
Initial boiling point and boiling range (°C)	300
Flash Point (°C)	99
Evaporation rate	Not determined
Flammability/Explosive limits	
Lower limit (%)	Not determined
Upper limit (%)	Not determined
Vapour pressure	0.0018 Pa @ 20°C
Vapour density (air=1)	Lighter than air
Relative density (g/cm ³)	~1.53
Solubility(ies)	None
Partition coefficient	Not determined
Auto-ignition temperature (°C)	375
Decomposition temperature (°C)	~234

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Viscosity	1000-1500 mPa.s
Explosive properties	Not determined
Oxidising properties	Not determined

9.2. Other Information

Other information	None
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No data available.
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10.2. Chemical stability

Stability	Stable under recommended storage and handling conditions. (See Section 7).
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10.3. Possibility of hazardous reactions

Hazardous reactions	Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
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10.4. Conditions to avoid

Conditions to avoid	When exposed to high temperatures may produce hazardous decomposition products.
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10.5. Incompatible materials

Materials to avoid	No data available.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Carbon monoxide and dioxide, smoke, oxides of nitrogen.
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SECTION 11: Toxicological information

There are no data available on the mixture itself.

The mixture has been assessed following the conventional method of the Classification, Labelling and Packaging of Substances and Mixtures Regulation (EC) No. 1272/2008 and not classified.

11.1. Information on toxicological effects

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhoea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

11.2. Additional information

SECTION 12: Ecological information

There are no data available on the mixture itself.

Do not allow to enter drains or watercourses.

12.1 Toxicity	No data available.
12.2 Persistence and degradability	No data available.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.

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12.5 Results of PBT and vPvB assessment No data available.

12.6 Other adverse effects No data available.

SECTION 13: Disposal considerations

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Waste disposal Do not allow to enter drains or watercourses.

The European List of Waste classification of this product, when disposed of as waste,

Waste Code: 08 01 12

Name of Waste (according to Commission Decision 2000/532/EC): Waste paint and varnish other than those mentioned in 08 01 11

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information contact your local waste authority.

Using information provided in this safety data sheet, advice should be obtained from the local waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

SECTION 14: Transport information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for Air Transport.

14.1 UN number Not dangerous goods.

14.2 UN proper shipping name Not dangerous goods.

14.3 Transport hazard class(es) Not dangerous goods.

14.4 Packing group Not dangerous goods.

14.5 Environmental hazards Not dangerous goods.

14.6 Special precautions for user Always transport in closed containers that are upright and secure.
Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not dangerous goods.

SECTION 15: Regulatory information

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

The information in this Safety Data Sheet is required pursuant to:

- Registration, Evaluation, Authorisation and Restriction of Chemicals, Regulation (EC) No. 1907/2006, (REACH).
- Classification, Labelling and Packaging of substances and mixtures, Regulation (EC) No. 1272/2008, (CLP).
- The Dangerous Substances and Explosive Atmospheres Regulations, 2002, (DSEAR).
- The Control of Substances Hazardous to Health Regulations, 2002, (COSHH).
- The Health and Safety at Work etc Act, 1974, (HSWA)

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Approved Codes of Practice and Guidance notes relevant to this Safety Data Sheet:

- The European Chemicals Agency (ECHA) Guidance on the compilation of safety data sheets, Version 2.1.
- CEPE Guideline for Safety Data Sheets, 9th Edition.
- HSE Approved Code of Practice and Guidance, Dangerous Substances and Explosive Atmospheres.
- HSE guidance note, Chemical Warehousing: The Storage of Packaged Dangerous Substances.
- HSE publication, EH40/2005 Workplace exposure limits.

15.2. Chemical safety assessment

Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Full text of Hazard Statements referred to in Section 3.

- H302 - Harmful if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H317 - May cause an allergic skin reaction.
- H412 - Harmful to aquatic life with long lasting effects.

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P261 - Avoid breathing dust, fume, gas, mist, vapours or spray.
P280 - Wear protective gloves, protective clothing, eye protection and face protection.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P370+P378 - In case of fire: Use alcohol-resistant foam to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.

Supplemental hazard information EUH204 Contains isocyanates. May produce an allergic reaction.

2.3. Other hazards

Results of PBT and vPvB assessment

PBT Not applicable.
vPvB Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Substances Not applicable.

3.2. Mixtures

Description of the mixture Mixture of resins, solvents, pigments and additives.

Hazardous components

Chemical Name	Identification	% [Weight]	Classification [Regulation (EC) No. 1272/2008]
hexamethylene diisocyanate, oligomers	EC No : 500-060-2 CAS No : 28182-81-2 REACH Registration No : 01-2119485796-17	50% - 99.9%	H317, H332, H335
hexamethylene-di-isocyanate	EC No : 212-485-8 CAS No : 822-06-0 REACH Registration No : 01-2119457571-37	0.1% - 1.0%	H315, H317, H319, H331, H334, H335

Additional information:

For the full text of the Hazard Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

General notes In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
If unconscious place in recovery position and seek medical advice.

If inhaled Remove to fresh air, keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact Remove contaminated clothing.
Wash skin thoroughly with soap and water or use recognised skin cleanser.
Do NOT use solvents or thinners.

In case of eye contact Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

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If swallowed If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Keep at rest.
Do NOT induce vomiting.

Self-protection of the first aider None.

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

None.

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

Immediate medical attention None.

SECTION 5: Firefighting measures

Flammable

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Suitable extinguishing media Alcohol resistant foam, CO₂, powders and water spray/mist.

Extinguishing media which must not be used for safety reasons Water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Fire will produce dense black smoke.
Exposure to decomposition products may cause a health hazard.
Appropriate breathing apparatus may be required.

5.3. Advice for firefighters

Advice for firefighters Cool closed containers exposed to fire with water.
Do not allow run-off from fire fighting to enter drains or watercourses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Exclude sources of ignition and ventilate the area.
Avoid breathing vapours.
Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Environmental precautions Do not allow to enter drains or watercourses.
If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth.
Place in a suitable container.
The contaminated area should be cleaned up immediately with a suitable decontaminant.
One possible (flammable) decontaminant comprises (by volume):water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d=0.880) ammonia solution (5 parts).
A non-flammable alternative is sodium carbonate (5 parts), water (95 parts).

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Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container.
Once this stage is reached, close container and dispose according to local regulations (see Section 13).

6.4. Reference to other sections

Reference to other sections None.

SECTION 7: Handling and storage

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this mixture is used.

Examination of lung function should be carried out on a regular basis on persons spraying this mixture.

7.1. Precautions on safe handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.
In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
Electrical equipment should be protected to the appropriate standard.
Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.
Operators should wear anti-static footwear and clothing and floors should be of the conducting type.
Care should be taken when re-opening partly used containers.
Precautions should be taken to minimise exposure to atmospheric humidity or water: CO₂ will be formed which in closed containers can result in pressurisation.
Isolate from sources of heat, sparks and open flame.
No sparking tools should be used.
Avoid skin and eye contact.
Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture.
Avoid inhalation of dust from sanding.
Smoking, eating and drinking should be prohibited in application area.
For personal protection see Section 8.
Never use pressure to empty: container is not a pressure vessel.
Always keep in containers of same material as the original one.
Comply with the health and safety at work laws.
Do not allow to enter drains or watercourses.

Advice on protection against fire and explosion

Vapours are heavier than air and may spread along floors.
Vapours may form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Store in accordance with the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR.

Notes on joint storage

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Additional information on storage conditions

Observe label precautions.
Store between 5°C and 25°C in a dry, well ventilated place away from sources of heat and direct sunlight.
Keep container tightly closed.
Keep away from sources of ignition.

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No smoking.
Prevent unauthorised access.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
The principles contained in the HSE guidance note, Chemical Warehousing: The Storage of Packaged Dangerous Substances, should be observed when storing this product.

7.3. Specific end use(s)

Specific end use(s) None.

SECTION 8: Exposure controls/personal protection

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this mixture is used.

Examination of lung function should be carried out on a regular basis on persons spraying this mixture.

8.1. Control parameters

Chemical name	Physical state	LTEL – 8hr TWA		STEL – 15min		Notes
		ppm	mg/m ³	ppm	mg/m ³	
hexamethylene diisocyanate, oligomers			0.02		0.07	
hexamethylene-diisocyanate			0.02		0.07	

LTEL - Long Term Exposure Limit, STEL - Short Term Exposure Limit, TWA - Time-Weighted Average.

ppm - parts per million by volume, mg/m³ - milligrams per cubic metre.

BMGV - Biological Monitoring Guidance Values are given in Table 2 of EH40/2005 Workplace exposure limits.

Carc - Capable of causing cancer and/or heritable genetic damage.

Sen - Capable of causing occupational asthma.

Sk - Can be absorbed through the skin. Dermal absorption may lead to systemic toxicity.

8.2. Exposure controls

Respiratory protection

When spraying: Air-fed respirator. For operations other than spraying: In well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

For prolonged or repeated handling, use Polyvinyl Alcohol (PVA) or Viton Rubber (FluorRubber).

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Use safety eyewear designed to protect against splash of liquids.

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Skin and body protection	Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.
General engineering measures	<p>Provide adequate ventilation.</p> <p>Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.</p> <p>If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.</p> <p>Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.</p> <p>In other operations, if local exhaust ventilation and good general extraction are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn. (See Personal protection equipment).</p> <p>Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes.</p> <p>Wet sanding/flattening should be used wherever possible.</p> <p>Under cool dry conditions, it is possible for the isocyanate to remain unreacted in the paint film for up to 30 hours after application.</p> <p>If dry flattening is unavoidable air-fed respiratory protective equipment should be used.</p>

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical State	Liquid
Colour	Yellowish
Odour	Fruity
Odour threshold (Lower)	7 ppm
Odour threshold (Higher)	20 ppm
pH	Not determined
Melting point/freezing point (°C)	<-90
Initial boiling point and boiling range (°C)	126 @760 mmHg
Flash Point (°C)	99
Evaporation rate	1 (BuAc=1)
Flammability/Explosive limits	
Lower limit (%)	1.2
Upper limit (%)	7.5
Vapour pressure	1.5 kPa @ 20°C
Vapour density (air=1)	4.0
Relative density (g/cm ³)	1.02
Solubility(ies)	Miscible with organic solvents.
Partition coefficient	2.3
Auto-ignition temperature (°C)	415
Decomposition temperature (°C)	Not determined
Viscosity	0.1 poise
Explosive properties	May form explosive mixtures with air.
Oxidising properties	Not determined

9.2. Other Information

Other information	None
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The product reacts slowly with water resulting in evolution of carbon dioxide.

10.2. Chemical stability

Stability Stable under recommended storage and handling conditions. (See Section 7).

10.3. Possibility of hazardous reactions

Hazardous reactions Keep away from oxidising agents, strongly alkaline and strongly acid materials, amines, alcohols and water.
In closed containers, pressure build up could result in distortion, blowing and in extreme cases bursting of the container.

10.4. Conditions to avoid

Conditions to avoid In a fire, hazardous decomposition products may be produced.

10.5. Incompatible materials

Materials to avoid Uncontrolled exothermic reactions occur with amines and alcohols.

10.6. Hazardous decomposition products

Hazardous decomposition products Smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates.

SECTION 11: Toxicological information

There are no data available on the mixture itself.

The mixture has been assessed following the conventional method of the Classification, Labelling and Packaging of Substances and Mixtures Regulation (EC) No. 1272/2008 and classified for toxicological hazards accordingly.

See Sections 2 and 3 for details.

11.1. Information on toxicological effects

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhoea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitisation of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest.

Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL.

Repeated exposure may lead to permanent respiratory disability.

Repeated or prolonged skin contact may lead to allergic contact dermatitis.

11.2. Additional information

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SECTION 12: Ecological information

There are no data available on the mixture itself.
Do not allow to enter drains or watercourses.

12.1 Toxicity	No data available.
12.2 Persistence and degradability	No data available.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB assessment	No data available.
12.6 Other adverse effects	No data available.

SECTION 13: Disposal considerations

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Waste disposal	Do not allow to enter drains or watercourses. Residues in empty containers should be neutralised with decontaminant (See Section 6).
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The European List of Waste classification of this product, when disposed of as waste,

Waste Code: 08 01 11*

Name of Waste (according to Commission Decision 2000/532/EC): Waste paint and varnish containing organic solvents or other dangerous substances.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information contact your local waste authority.

Using information provided in this safety data sheet, advice should be obtained from the local waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

SECTION 14: Transport information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for Air Transport.

14.1 UN number	
ADR/RID/ADN	1263
IMDG	1263
ICAO	1263
14.2 UN proper shipping name	PAINT
14.3 Transport hazard class(es)	
ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids
ADR Label number	3
IMDG Class	3
ICAO Class/Division	3
Transport labels	

14.4 Packing group

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ADR/RID/ADN	III
IMDG	III
ICAO	III
14.5 Environmental hazards	None

14.6 Special precautions for user

ADR Tunnel Restriction Code	(D/E)
IMDG EmS	F-E, S-E
IMDG Stowage Category	A

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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

The information in this Safety Data Sheet is required pursuant to:

- Registration, Evaluation, Authorisation and Restriction of Chemicals, Regulation (EC) No. 1907/2006, (REACH).
- Classification, Labelling and Packaging of substances and mixtures, Regulation (EC) No. 1272/2008, (CLP).
- The Dangerous Substances and Explosive Atmospheres Regulations, 2002, (DSEAR).
- The Control of Substances Hazardous to Health Regulations, 2002, (COSHH).
- The Health and Safety at Work etc Act, 1974, (HSWA)

Approved Codes of Practice and Guidance notes relevant to this Safety Data Sheet:

- The European Chemicals Agency (ECHA) Guidance on the compilation of safety data sheets, Version 2.1.
- CEPE Guideline for Safety Data Sheets, 9th Edition.
- HSE Approved Code of Practice and Guidance, Dangerous Substances and Explosive Atmospheres.
- HSE guidance note, Chemical Warehousing: The Storage of Packaged Dangerous Substances.
- HSE publication, EH40/2005 Workplace exposure limits.

15.2. Chemical safety assessment

Chemical safety assessment No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Full text of Hazard Statements referred to in Section 3.

- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H331 - Toxic if inhaled.
- H332 - Harmful if inhaled.
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 - May cause respiratory irritation.

Disclaimer

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.