



SAFETY DATA SHEET BIJLARD SPUITLIJM 0044

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

1.1. Product identifier

Product name	BIJLARD SPUITLIJM 0044
Product number	F4592
Synonyms; trade names	BIJLARD 0044 AEROSOL BASE
UFI	UFI: 5W6A-YWMM-UJ5W-5VXG

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

Identified uses	Adhesive.
Uses advised against	Applications involving the use of naked flames and static discharges Non-industrial, non-professional uses.

1.3. Details of the supplier of the safety data sheet

Supplier	Bijlard International Platinastraat 141 2718 SR Zoetermeer The Netherlands +31 79 343 7538 +31 79 343 7539 info@bijlard.com
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1.4. Emergency telephone number

Emergency telephone	00441619983226 Monday - Friday (8.15am-4.45pm)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Flam. Liq. 2 - H225
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H336
Environmental hazards	Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



Signal word

Danger

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Hazard statements	H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of 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. P391 Collect spillage. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations. P314 Get medical advice/ attention if you feel unwell.
Contains	Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane, acetone, PENTANE, BUTANONE

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Content

3.2. Mixtures

Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane	40-50%
CAS number: —	EC number: 921-024-6
	REACH registration number: 01-2119475514-35
Classification	
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
STOT SE 3 - H336	
Asp. Tox. 1 - H304	
Aquatic Chronic 2 - H411	

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ACETONE 20-30%		
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49-XXXX
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		
PENTANE 5-7%		
CAS number: 109-66-0	EC number: 203-692-4	REACH registration number: 01-2119459286-30-XXXX
Classification Flam. Liq. 2 - H225 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
BUTANONE 1-3%		
CAS number: 78-93-3	EC number: 201-159-0	REACH registration number: 01-2119457290-43-XXXX
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		
Resin acids and Rosin acids, potassium salts 1-3%		
CAS number: 61790-50-9	EC number: 263-142-4	REACH registration number: 01-2119486885-17-XXXX
Classification Eye Irrit. 2 - H319		
ISOPENTANE <1.0%		
CAS number: 78-78-4	EC number: 201-142-8	
Classification Flam. Liq. 2 - H225 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		

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Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene			<1.0%
CAS number: 68610-51-5	EC number: 271-867-2	REACH registration number: 01-2119496062-39-XXXX	
Classification			
Repr. 2 - H361d			
Aquatic Chronic 4 - H413			

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

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures**4.1. Description of first aid measures**

General information	Remove affected person from source of contamination. Remove contaminated soaked clothing immediately and dispose of safely
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information	Chemical burns must be treated by a physician. Get medical attention immediately.
Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause temporary eye irritation.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media	Carbon dioxide (CO ₂). Alcohol-resistant foam. Powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	The product is highly flammable. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m ³ .
Hazardous combustion products	When heated, vapours/gases hazardous to health may be formed.

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5.3. Advice for firefighters

Protective actions during firefighting	Move containers from fire area if it can be done without risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Special protective equipment for firefighters	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. Take precautionary measures against static discharges.
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6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.
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6.4. Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid spilling. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store in tightly-closed, original container.
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Storage class	Flammable liquid storage.
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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

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

PENTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1800 mg/m³

Short-term exposure limit (15-minute): WEL

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BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 600 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 mg/m³(Sk)

ISOPENTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1800 mg/m³

Short-term exposure limit (15-minute): WEL

Hydrocarbons,C7, n-alkanes, isoalkanes, cyclics

Long-term exposure limit (8-hour TWA): OEL = Occupational Exposure Limit 500 ppm 2085 mg/m³

WEL = Workplace Exposure Limit.

Ingredient comments

WEL = Workplace Exposure Limits

Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane

DNEL	Consumer - Oral; Long term systemic effects: 699 mg/kg/day
	Industry - Oral; Long term systemic effects: 2035 mg/kg/day
	Consumer - Dermal; Long term systemic effects: 699 mg/kg/day
	Industry - Dermal; Long term systemic effects: 773 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 608 mg/m ³

ACETONE (CAS: 67-64-1)

DNEL	Industry - Dermal; Long term : 186 mg/kg/day
	Industry - Inhalation; Short term : 2420 mg/m ³
	Industry - Inhalation; Long term : 1210 mg/m ³
	Consumer - Oral; Long term : 62 mg/kg/day
	Consumer - Dermal; Long term : 62 mg/kg/day
	Consumer - Inhalation; Long term : 200 mg/m ³

PNEC	- Fresh water; 10.6 mg/l
	- marine water; 1.06 mg/l
	- Intermittent release; 21 mg/l
	- Sediment (Freshwater); 30.4 mg/kg
	- Sediment (Marinewater); 3.04 mg/kg
	- STP; 100 mg/l
- Soil; 29.5 mg/kg	

PENTANE (CAS: 109-66-0)

DNEL	Consumer - Oral; Long term : 214 mg/kg/day
	Consumer - Dermal; Long term : 214 mg/kg/day
	Industry - Dermal; Long term : 432 mg/kg/day
	Consumer - Inhalation; Long term : 643 mg/m ³
	Industry - Inhalation; Long term : 3000 mg/m ³

PNEC	No PNEC data available
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YT 321 - Ecotack 3201 (CAS: 8050-26-8)

DNEL	Workers - Dermal; Long term systemic effects: 25 mg/kg
	Workers - Inhalation; Long term systemic effects: 176.32 mg/m ³
	General population - Oral; Long term systemic effects: 15 mg/kg
	General population - Dermal; Long term systemic effects: 15 mg/kg
	General population - Inhalation; Long term systemic effects: 51.174 mg/m ³

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PNEC Fresh water; 1 mg/l
 STP; 2 mg/l
 Soil; 144.6 mg/kg
 marine water; 0.1 mg/l
 Sediment (Freshwater); 726.0 mg/kg
 Sediment (Marinewater); 72.6 mg/kg

BUTANONE (CAS: 78-93-3)

DNEL Industry - Inhalation; Short term local effects: 600 mg/kg/day
 Industry - Dermal; : 1161 mg/kg/day
 Consumer - Dermal; : 412 mg/kg/day
 Consumer - Inhalation; : 106 mg/m³
 Consumer - Dermal; Long term systemic effects: 31 mg/kg

PNEC - Fresh water; 55.8 mg/l
 - Sediment (Marinewater); 284.74 mg/kg
 - Soil; 22.5 mg/kg
 marine water; 55.8 mg/l
 Intermittent release; 55.8 mg/l
 Sediment (Freshwater); 284.7 mg/kg
 STP; 709 mg/l
 - Food. Secondary poisoning; 1000 mg/kg

Resin acids and Rosin acids, potassium salts (CAS: 61790-50-9)

DNEL Workers - Inhalation; Long term local effects: 10 mg/m³
 Workers - Dermal; Long term systemic effects: 2.131 mg/kg/day
 Consumer - Dermal; systemic effects: 1.065 mg/kg
 Consumer - Oral; Long term systemic effects: 1.065 mg/kg/day

PNEC Fresh water; 0.002 mg/l
 Sediment (Freshwater); 0.016 mg/l
 marine water; 0.0002 mg/l
 STP; 1000 mg/l
 Sediment (Freshwater); 0.007 mg/kg
 Sediment (Marinewater); 0.0007 mg/kg
 Soil; 0.00045 mg/kg

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene (CAS: 68610-51-5)

DNEL Workers - Inhalation; Long term systemic effects: 0.35 mg/m³
 Workers - Dermal; Long term systemic effects: 4 mg/kg/day
 Workers - Oral; Long term systemic effects: 0.8 mg/kg/day

PNEC - Fresh water; 0.01 mg/l
 - marine water; 0.002 mg/l
 - Sediment (Freshwater); 426.6 mg/kg
 - Sediment (Marinewater); 85.25 mg/kg
 - STP; 100 mg/l
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Hydrocarbons, C6 isoalkanes <5% n-hexane

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DNEL	Consumer - Oral; Long term systemic effects: 1301 mg/kg/day Consumer - Dermal; Long term systemic effects: 1377 mg/kg/day Industry - Dermal; Long term systemic effects: 13964 mg/kg/day Consumer - Inhalation; Long term systemic effects: 1131 mg/m ³ Industry - Inhalation; Long term systemic effects: 5306 mg/m ³
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Hydrocarbons,C7, n-alkanes, isoalkanes, cyclics

DNEL	Industry - Dermal; Long term : 300 mg/kg/day Industry - Inhalation; Long term : 2085 mg/m ³ Consumer - Dermal; Long term : 149 mg/kg/day Consumer - Inhalation; Long term : 447 mg/m ³
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PNEC	No PNEC data available
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8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. Dust may form explosive mixture with air. Take precautionary measures against static discharges.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Provide eyewash station and safety shower. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin. Wash promptly if skin becomes contaminated. Change work clothing daily before leaving workplace.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Milky. White.
Odour	Sweetish.
Odour threshold	Not available. Not available.
pH	Not available. Not determined.
Melting point	Not available.
Initial boiling point and range	65°C @

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Flash point	-25°C
Evaporation factor	Not available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.75 @ °C
Bulk density	Not available.
Solubility(ies)	Not available. Insoluble in water. Soluble in the following materials: Organic solvents.
Partition coefficient	Not available.
Auto-ignition temperature	222°C
Decomposition Temperature	Not available.
Viscosity	Non-viscous @ °C
Explosive properties	No information available.
Comments	Information given is applicable to the product as supplied. Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

Density**Relative vapour density****Water solubility****Viscosity, dynamic****9.2. Other information**

Refractive index	Not applicable.
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Particle size	Not available.
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Molecular weight	Not applicable.
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Volatility	Not available.
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Critical temperature	Not available.
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Solvent content:

Volatile organic compound	Not available.
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Solids content:**Water:****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.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. When heated, vapours/gases hazardous to health may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Information given for the mixture in sect 3 is based upon the results of the calculation method. Some of the information given is also taken from data given for the individual ingredients of the mixture.

Acute toxicity - oral

Notes (oral LD₅₀) Not determined.

Acute toxicity - dermal

Notes (dermal LD₅₀) Not determined.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Not determined.

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Causes eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation May cause sensitisation by skin contact.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

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STOT - single exposure	May cause drowsiness or dizziness.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Based on available data the classification criteria are not met.
<u>Aspiration hazard</u>	
Aspiration hazard	Based on available data the classification criteria are not met.
<u>General information</u>	
General information	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
Inhalation	Vapour from this product may be hazardous by inhalation. Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
Skin contact	Prolonged contact may cause dryness of the skin. Repeated exposure may cause skin dryness or cracking. Irritating to skin.
Eye contact	Irritating to eyes.
Acute and chronic health hazards	Prolonged contact may cause redness, irritation and dry skin. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer. Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Central and/or peripheral nervous system damage. Brain damage.
Route of exposure	Ingestion. Inhalation Skin and/or eye contact
Target organs	Brain Respiratory system, lungs Mucous membranes Skin
Medical symptoms	Skin irritation. Irritation of eyes and mucous membranes. Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.
Medical considerations	Skin disorders and allergies. Convulsions. Central nervous system depression. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Toxicological information on ingredients.

Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LD₅₀ >20 mg/l, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

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Respiratory sensitisation	No information available.
<u>Skin sensitisation</u>	
Skin sensitisation	No information available.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	No information available.
Genotoxicity - in vivo	No information available.
<u>Carcinogenicity</u>	
Carcinogenicity	No information available.
Target organ for carcinogenicity	No specific target organs known.
IARC carcinogenicity	Not listed.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	No information available.
Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	May cause drowsiness or dizziness.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	No information available.
<u>Aspiration hazard</u>	
Aspiration hazard	May be fatal if swallowed and enters airways.

ACETONE**Acute toxicity - oral**

Acute toxicity oral (LD₅₀ mg/kg) 5,800.0

Species Rat

ATE oral (mg/kg) 5,800.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >15800 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 76.0

Species Rat

ATE inhalation (vapours mg/l) 76.0

Skin corrosion/irritation

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Skin corrosion/irritation Based on available data the classification criteria are not met. Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Carcinogenicity in humans is not expected.

Reproductive toxicity

Reproductive toxicity - fertility This substance has no evidence of toxicity to reproduction.

Reproductive toxicity - development This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure A single exposure may cause the following adverse effects: Drowsiness, dizziness, disorientation, vertigo.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure. NOAEL 900 mg/kg/day, Oral, Rat NOAEC 22500 mg/m³, Inhalation, Rat

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

PENTANE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,000.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 5.0

Species Rat

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ATE inhalation (vapours mg/l) 5.0

BUTANONE**Acute toxicity - oral**

Notes (oral LD₅₀) LD₅₀ >2193 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >5000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 34.0

Species Rat

ATE inhalation (vapours mg/l) 34.0

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes eye irritation.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Carcinogenicity in humans is not expected.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure A single exposure may cause the following adverse effects: Drowsiness, dizziness, disorientation, vertigo.

Target organs Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

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Aspiration hazard Based on available data the classification criteria are not met.

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat

Notes (oral LD₅₀) LD₅₀ >5000 mg/kg, Oral, Rat NOAEL 50 mg/kg/day, Oral, Rabbit NOAEL, (USA HPV Program - Repeated Dose Toxicity - Subchronic 90 day feeding study - Increased liver wt and increased adrenal wt (females only) at 1500 ppm and higher 25 mg/kg/day, Oral, Rat NOAEL, USA HPV - Program - Maternal Tox 1000 mg/kg/day, Oral, Rat ED05, BMD (Benchmark Dose) - substance shows a slight increase in the incidence of common fetal skeletal variations 740 mg/kg/day, Oral, Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rabbit

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rabbit NOAEL, Repeat dose toxicity, long term systemic effects 160.8 mg/kg/day, Dermal, Rat NOAEL 25 mg/kg/day, Oral, Rat USA HPV-Program - Repeated Dose Toxicity - Subchronic 90-Day feeding study - Increased liver wt and increased adrenal wt (females only) at 1500 ppm and higher.
1000 mg/kg/day (rat)
USA HPV-Program - Maternal Tox

Acute toxicity - inhalation

Notes (inhalation LC₅₀) NOAEC, Repeat dose toxicity, long term systemic effects 28.8 mg/m³, Inhalation, Rat LC50/1,0h >163 mg/l, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation May cause skin abrasion.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation May cause sensitisation or allergic reactions in sensitive individuals.

Skin sensitisation

Skin sensitisation May cause sensitisation by skin contact.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - development Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

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STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Hydrocarbons, C6 isoalkanes <5% n-hexane

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 16,750.0

Species Rat

Notes (oral LD₅₀) LD₅₀ >5000 ml/kg, Oral, Rat

ATE oral (mg/kg) 16,750.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 3,350.0

Species Rabbit

Notes (dermal LD₅₀) LD₅₀ 5 mg/kg, Dermal, Rabbit

ATE dermal (mg/kg) 3,350.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 259,354.0

Species Rat

Notes (inhalation LC₅₀) LC50 20 mg/l, Inhalation, (Vapour), Rat

ATE inhalation (vapours mg/l) 259,354.0

Skin corrosion/irritation

Skin corrosion/irritation No oedema (0).

Animal data Erythema/eschar score: 0.8 Rabbit

Serious eye damage/irritation

Serious eye damage/irritation Redness of the conjunctivae Rabbit 0 Oedema of the conjunctivae Rabbit 0.33 Iris score: Normal (0). Cornea score: No ulceration or opacity (0).

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

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Genotoxicity - in vivo	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Not available.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Not applicable.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Not applicable.
<u>Aspiration hazard</u>	
Aspiration hazard	May be fatal if swallowed and enters airways.
<u>Hydrocarbons,C7, n-alkanes, isoalkanes, cyclics</u>	
<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ >5480 mg/kg, Oral, Rat
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >2920 mg/kg, Dermal, Rat
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	LC ₅₀ >23300 mg/cm ³ , Inhalation, (Vapour), Rat
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Irritating to skin.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Based on available data the classification criteria are not met. Redness of the conjunctivae Rabbit 0 Oedema Conjunctivae score: Normal (0). Rabbit
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Not sensitising. Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	No evidence of carcinogenicity in animal studies.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Not applicable.

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Reproductive toxicity - development Not applicable.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

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

Inhalation Central nervous system depression. Vapours may cause headache, fatigue, dizziness and nausea. Overexposure may depress the central nervous system, causing dizziness and intoxication.

Ingestion The product irritates mucous membranes and may cause abdominal discomfort if swallowed. May cause nausea, headache, dizziness and intoxication. Central nervous system depression.

Skin contact Irritating to skin.

Eye contact The product is strongly irritating to eyes and skin.

SECTION 12: Ecological information

Ecotoxicity The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Acute aquatic toxicity

Chronic aquatic toxicity

Ecological information on ingredients.

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Ecotoxicity Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Information given for the mixture in sect 3 is based upon the results of the calculation method. Some of the information given is also taken from data given for the individual ingredients of the mixture.

Acute aquatic toxicity

Acute toxicity - fish Not determined.

Acute toxicity - aquatic invertebrates Not determined.

Acute toxicity - aquatic plants Not determined.

Acute toxicity - microorganisms Not determined.

Acute toxicity - terrestrial Not determined.

Chronic aquatic toxicity

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Chronic toxicity - fish early life stage Not determined.

Short term toxicity - embryo and sac fry stages Not determined.

Chronic toxicity - aquatic invertebrates Not determined.

Chronic toxicity in fish

Ecological information on ingredients.

Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, : 1-10 mg/l,

Acute toxicity - aquatic plants EC₅₀, : 10-100 ,

Chronic aquatic toxicity

Chronic toxicity - fish early life stage The substance is readily biodegradable.

ACETONE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 5540 mg/l, Oncorhynchus mykiss (Rainbow trout)
LC₅₀, 96 hours: 11000 mg/l, Alburnus alburnus (bleak)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 8800 mg/l, Daphnia pulex (water flea)
EC₅₀, 24 hours: 2100 mg/l, Artemisia salina

Acute toxicity - aquatic plants NOEC, 96 hours: 530 mg/l, Freshwater algae
NOEC, 96 hours: 430 mg/l, Marinewater algae

Acute toxicity - microorganisms EC₁₂, 30 minutes: 1000 mg/l, Activated sludge

Acute toxicity - terrestrial LC₅₀, 48 hours: 0.1-1 mg/cm³, Eisenia Fetida (Earthworm)
LD₅₀, 48 hours: 20000 mg/l, Ambystoma mexicanum
LD₅₀, 48 hours: 24000 mg/l, Xenopus laevis

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 0.1 mg/l, Daphnia magna

BUTANONE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 48 hours: > 100 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: >100 mg/l, Pseudokirchneriella subcapitata

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Acute toxicity - microorganisms EC3, 16 hours: 1150 mg/l, Bacteria

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 48 hours: >1000 mg/l, Leuciscus idus (Golden orfe)
LC₅₀, 96 hours: >0.2 mg/l, Oncorhynchus mykiss (Rainbow trout)
ErC50, 72 hours: >0.2 mg/l, Selenastrum capricornutum
NOEC, 17 hours: >=10000 mg/l, Pseudomonas putida
NOEC, 72 hours: >0.2 mg/l, Selenastrum capricornutum
NOELR, : 1 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >0.2 mg/l, Daphnia magna
NOELR, : 1 mg/l, Daphnia magna

Hydrocarbons, C6 isoalkanes <5% n-hexane

Acute aquatic toxicity

Acute toxicity - fish LC50, >: > 1 mg/l,
Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1680 mg/l, Daphnia magna
Acute toxicity - aquatic plants EC₅₀, : 10-100 mg/l,

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Toxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hour: >13.4 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 3 mg/l, Daphnia magna
Acute toxicity - aquatic plants EC₅₀, 72 hours: 10 mg/l,

Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOEC, 28 days: 1.53 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates NOEC, 21 days: 1 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

Phototransformation Not relevant.

Stability (hydrolysis) Not determined.

Biodegradation Not determined.

Biological oxygen demand Not determined.

Chemical oxygen demand Not determined.

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Ecological information on ingredients.

Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane

Persistence and degradability	The product is readily biodegradable.
Biodegradation	The substance is readily biodegradable.

ACETONE

Persistence and degradability	The product is readily biodegradable.
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BUTANONE

Persistence and degradability	The product is biodegradable.
Biodegradation	>60% 28, days

Hydrocarbons,C7, n-alkanes, isoalkanes, cyclics

Biodegradation	- 98: 28 days
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12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Partition coefficient	Not available.

Ecological information on ingredients.

Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane

Bioaccumulative potential	Data lacking.
Partition coefficient	No information available.

ACETONE

Bioaccumulative potential	No data available on bioaccumulation.
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BUTANONE

Bioaccumulative potential	Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.
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12.4. Mobility in soil

Mobility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
Adsorption/desorption coefficient	Not determined.
Henry's law constant	Not determined.
Surface tension	Not determined.
Environmental distribution	

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Ecological information on ingredients.

Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane

Mobility No data available.

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Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is water-soluble and may spread in water systems.

BUTANONE

Mobility Not considered mobile.

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.

Ecological information on ingredients.

Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane

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

BUTANONE

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 known.

Ecological information on ingredients.

Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane

Other adverse effects Not available.

ACETONE

Other adverse effects WGK 1

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is suitable for incineration. The generation of waste should be minimised or avoided wherever possible. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

Product

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Uncleaned packaging

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1133
UN No. (IMDG)	1133
UN No. (ICAO)	1133
UN No. (ADN)	1133

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ADHESIVES
Proper shipping name (IMDG)	ADHESIVES (CONTAINS Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane, PENTANE)
Proper shipping name (ICAO)	ADHESIVES
Proper shipping name (ADN)	ADHESIVES

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels



14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-E, S-D
ADR transport category	2

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Emergency Action Code •3YE

Hazard Identification Number 33
(ADR/RID)

Tunnel restriction code (D/E)

Segregation Code

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Transport/Additional information Marine Pollutant Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

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

National regulations The Carriage of Dangerous Goods and use of Transportable Pressure Equipment Regulations 2009 as amended(SI 2009/1348)
The Control of Substances Hazardous to Health Regulations 2002. (SI 2002 No 2677) 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).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.

Guidance EH40/2005 Workplace exposure limits
L131 Approved Classification and Labelling Guide (Sixth Edition)

Authorisations (Annex XIV Regulation 1907/2006) No specific authorisations are known for this product.

Restrictions (Annex XVII Regulation 1907/2006) No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information Only trained personnel should use this material.

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 27/11/2023

Revision 8

Supersedes date 16/11/2020

SDS status Approved.

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Hazard statements in full

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H411 Toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

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.