

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 17.05.2022  
Product: **40-40 1L 2K Universal Clear**

Version: 3.0

(56520672/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

## 1. Substance/preparation and manufacturer/supplier identification

### 40-40 1L 2K Universal Clear

Use: Clearcoat product

Manufacturer/supplier:

BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

## 2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 2A

Specific target organ toxicity — single exposure: Cat. 3 (Vapours may cause drowsiness and dizziness.)

Hazardous to the aquatic environment - acute: Cat. 2

Hazardous to the aquatic environment - chronic: Cat. 3

Flammable liquids: Cat. 3

| Skin sensitization: Cat. 1A

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H401	Toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

acrylic resin, organic solvent

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

Solvent naphtha (petroleum), light arom.

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-95-6	Flam. Liq.: Cat. 3
	Skin Corr./Irrit.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 2

1,2,4-trimethylbenzene

Content (W/W): $\geq 5\%$ - $< 7\%$	Asp. Tox.: Cat. 1
CAS Number: 95-63-6	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Skin Corr./Irrit.: Cat. 2
	Aquatic Chronic: Cat. 2
	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 2

xylene

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Content (W/W): $\geq 3\%$ - $< 5\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

Naphtha (petroleum),hydrotreated light, Kp &gt; 140oC

Content (W/W): $\geq 3\%$ - $< 5\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-49-0	Flam. Liq.: Cat. 3
	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Chronic: Cat. 3

| Propanoic acid, 3-ethoxy-, ethyl ester

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Flam. Liq.: Cat. 3
CAS Number: 763-69-9	Acute Tox.: Cat. 5 (oral)
	Aquatic Acute: Cat. 3
	Acute Tox.: Cat. 5 (dermal)

mesitylene

Content (W/W): $\geq 1\%$ - $< 2\%$	Asp. Tox.: Cat. 1
CAS Number: 108-67-8	Flam. Liq.: Cat. 3
	Skin Corr./Irrit.: Cat. 2
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 2

bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate

Content (W/W): $\geq 0.3\%$ - $< 0.5\%$	Acute Tox.: Cat. 5 (oral)
CAS Number: 41556-26-7	Skin Sens.: Cat. 1A
	Repr.: Cat. 2 (fertility)
	Aquatic Acute: Cat. 1
	Aquatic Chronic: Cat. 1
	M-factor acute: 1

Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

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Content (W/W): $\geq 0.1\%$ - $< 0.2\%$	Acute Tox.: Cat. 5 (oral)
CAS Number: 82919-37-7	Skin Sens.: Cat. 1A
	Repr.: Cat. 2 (fertility)
	Aquatic Acute: Cat. 1
	Aquatic Chronic: Cat. 1
	M-factor acute: 1
	M-factor chronic: 1

#### 4. First-Aid Measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

##### If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

##### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

##### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

##### On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

##### Note to physician:

Symptoms: Eye irritation, allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

#### 5. Fire-Fighting Measures

##### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

##### Unsuitable extinguishing media for safety reasons:

water jet

##### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

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## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

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

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

- 1,2,4-trimethylbenzene, 95-63-6;  
TWA value 25 ppm (ACGIHTLV)  
TWA value 123 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))
- mesitylene, 108-67-8;  
TWA value 25 ppm (ACGIHTLV)  
TWA value 123 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))
- n-Butyl acetate, 123-86-4;  
STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))
- xylene, 1330-20-7;  
TWA value 100 ppm (ACGIHTLV)  
STEL value 150 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))
- Naphtha (petroleum),hydrotreated light, Kp > 140oC, 64742-49-0;  
TWA value 1,600 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

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Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,7 mm

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

chemical-resistant disposable coveralls, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	colourless	
Odour:	ester-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	> 31 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	



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	(50 °C) not determined	
Density:	0.994 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	97.3 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 72 s	(DIN EN ISO 2431; 4 mm)

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## 10. Stability and Reactivity

### Conditions to avoid:

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

#### Assessment of acute toxicity:

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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

Information on: Ethyl 3-ethoxypropionate  
Experimental/calculated data:  
LD50 rat (oral): 4,309 mg/kg (OECD Guideline 401)

Information on: xylene  
Experimental/calculated data:  
LD50 rat (oral): 3,523 mg/kg (similar to OECD guideline 401)  
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### **Irritation**

Assessment of irritating effects:  
The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **Germ cell mutagenicity**

Assessment of mutagenicity:  
Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:  
Based on available data, the classification criteria are not met.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure):**

Assessment of STOT single:  
Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

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## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

Harmful to aquatic life with long lasting effects. Toxic to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 1,2,4-trimethylbenzene

Elimination information:

> 20 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: mesitylene

Elimination information:

61 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, other)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: Ethyl 3-ethoxypropionate

Elimination information:

100 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (Directive 84/449/EEC, C.5) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable.

100 % CO<sub>2</sub> formation relative to the theoretical value (18 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: Solvent naphtha (petroleum), light arom.

Elimination information:

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77 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

96 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (ISO 14593) (aerobic, activated sludge, domestic, adapted)

Information on: Naphtha (petroleum),hydrotreated light, Kp > 140oC

Elimination information:

9 % BOD of the ThOD (28 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, domestic sewage, adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Marine pollutant: NO  
Proper shipping name: PAINT

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**Air transport**

IATA/ICAO

Packing group:	III
ID number:	UN 1263
Transport hazard class(es):	3
Proper shipping name:	PAINT

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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Date / Revised: 01.02.2024

Product: **40-40 5L 2K Clear Universal ANZ**

Version: 4.0

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Date of print: 02.02.2024

## 1. Substance/preparation and manufacturer/supplier identification

### Product name:

**40-40 5L 2K Clear Universal ANZ**

Use: Clearcoat product

#### Manufacturer/supplier:

BASF New Zealand Ltd.

5E City Works Depot

77 Cook Street

Auckland Central, Auckland 1010

NEW ZEALAND

Telephone: +64 9 255-4300

Telefax number: +64 9 255-4307

#### Emergency information:

National Poisons Centre: 0800 764 766

BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)

BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat.3

Serious eye damage/eye irritation: Cat.2A

Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Hazardous to the aquatic environment - acute: Cat.3

Hazardous to the aquatic environment - chronic: Cat.2

Flammable liquids: Cat.3

Skin sensitization: Cat.1A

| Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)

Label elements and precautionary statement:

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Pictogram:



Signal Word:  
 Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H402	Harmful to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P391	Collect spillage.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

acrylic resin, organic solvent

#### Hazardous ingredients

Solventnaphtha (petroleum), light aromatic		
Content (W/W): >= 15 % - < 20 %	Asp. Tox.: Cat. 1	
CAS Number: 64742-95-6	Flam. Liq.: Cat. 3	
	STOT SE: Cat. 3 (drowsiness and dizziness)	
	STOT SE: Cat. 3 (irr. to respiratory syst.)	
	Aquatic Chronic: Cat. 2	
n-Butyl acetate		
Content (W/W): >= 12.5 % - < 15 %	Flam. Liq.: Cat. 3	
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)	
	Aquatic Acute: Cat. 3	
xylene		
Content (W/W): >= 3 % - < 5 %	Asp. Tox.: Cat. 1	
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3	
	Acute Tox.: Cat. 5 (Inhalation - vapour)	
	Acute Tox.: Cat. 5 (oral)	
	Skin Corr./Irrit.: Cat. 2	
	Eye Dam./Irrit.: Cat. 2B	
	STOT SE: Cat. 3 (irr. to respiratory syst.)	
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2	
	Aquatic Acute: Cat. 2	
	Aquatic Chronic: Cat. 3	
Naphtha (petroleum),hydrotreated light, Kp > 140oC		
Content (W/W): >= 3 % - < 5 %	Asp. Tox.: Cat. 1	
CAS Number: 64742-49-0	Flam. Liq.: Cat. 3	
	STOT SE: Cat. 3 (drowsiness and dizziness)	
	Aquatic Chronic: Cat. 3	

Propanoic acid, 3-ethoxy-, ethyl ester



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Content (W/W):  $\geq 2.5\%$  -  $< 3\%$       Flam. Liq.: Cat. 3  
CAS Number: 763-69-9                      Acute Tox.: Cat. 5 (oral)  
   Aquatic Acute: Cat. 3  
   Acute Tox.: Cat. 5 (dermal)

bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate  
Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$       Acute Tox.: Cat. 5 (oral)  
CAS Number: 41556-26-7                      Skin Sens.: Cat. 1A  
   Repr.: Cat. 2 (fertility)  
   Aquatic Acute: Cat. 1  
   Aquatic Chronic: Cat. 1  
   M-factor acute: 1

Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate  
Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$       Acute Tox.: Cat. 5 (oral)  
CAS Number: 82919-37-7                      Skin Sens.: Cat. 1A  
   Repr.: Cat. 2 (fertility)  
   Aquatic Acute: Cat. 1  
   Aquatic Chronic: Cat. 1  
   M-factor acute: 1  
   M-factor chronic: 1

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## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

### If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

### On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

### Note to physician:

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the

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GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

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## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When

operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

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

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)

TWA value 50 ppm (ACGIHTLV)

TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)

TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

Naphtha (petroleum),hydrotreated light, Kp > 140oC, 64742-49-0;

TWA value 1,600 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

| Solventnaphtha (petroleum), light aromatic, 64742-95-6;

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

chemical-resistant disposable coveralls, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form: liquid  
Colour: colourless  
Odour: ester-like

pH value: substance/mixture is non-polar/aprotic

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Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	> 31 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.994 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Solubility in water:	immiscible	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	97.3 mm <sup>2</sup> /s (23 °C) 180.300 mm <sup>2</sup> /s (40 °C)	
Flow time:	> 72 s (23 °C)	(DIN EN ISO 2431; 4 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

**Substances to avoid:**

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness  
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Sensitization after skin contact possible.

#### Germ cell mutagenicity

Assessment of mutagenicity:

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

### **Carcinogenicity**

Assessment of carcinogenicity:

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

### **Reproductive toxicity**

Assessment of reproduction toxicity:

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

### **Developmental toxicity**

Assessment of teratogenicity:

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

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

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

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Toxic to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: Ethyl 3-ethoxypropionate

Elimination information:

100 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (Directive 84/449/EEC, C.5) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable.

100 % CO<sub>2</sub> formation relative to the theoretical value (18 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: Naphtha (petroleum),hydrotreated light, Kp > 140oC

Elimination information:

9 % BOD of the ThOD (28 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, domestic sewage, adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3, EHSM

Packing group: III

Environmental hazards: yes

| Special precautions for None known



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| user:

**Further information**

Hazchem Code:3Y  
IERG Number:14

**Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT (Solventnaphtha (petroleum), light aromatic)  
Transport hazard class(es): 3, EHS  
Packing group: III  
Environmental hazards: yes  
Marine pollutant: YES  
Special precautions for user: EmS: F-E; S-E

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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**16. Other Information**

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For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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