

**45-W10 0,5L 3-Coat
Additive**

Version	Revision Date:	SDS Number:	Date of last issue: 17.04.2025
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Section 1: Identification

Product name : 45-W10 0,5L 3-Coat Additive

Product code : 000000000050392479

Manufacturer or supplier's details

BASF Coatings and Chemetall New
Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : 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)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification**GHS Classification**

Flammable liquids : Category 3

Serious eye damage/eye
irritation : Category 2

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GHS label elements

Hazard pictograms



Signal Word

: Warning

Hazard Statements

: H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.

Precautionary Statements

: **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with 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.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:
P501 Dispose of contents/ container to an approved waste

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disposal plant.

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.

Section 3: Composition/information on ingredients

Chemical nature : polyurethane
organic solvent
Water

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
2-butoxyethanol	2-butoxyethanol	111-76-2	Flammable liquids, Category 4 Acute toxicity (Oral), Category 4 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2	>= 1 -< 10
butan-2-ol	butan-2-ol	78-92-2	Flammable liquids, Category 3 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Respiratory system, Central nervous system), Category 3	>= 1 -< 10

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2,4,7,9-Tetramethyldec-5-yne-4,7-diol	2,4,7,9-tetramethyldec-5-yne-4,7-diol	126-86-3	Serious eye damage/eye irritation, Category 1 Skin sensitization, Sub-category 1B Hazardous to the aquatic environment - chronic hazard, Category 3	≥ 0.25 -< 1
2-dimethylaminoethanol	2-dimethylaminoethanol	108-01-0	Flammable liquids, Category 3 Acute toxicity (Oral), Category 4 Acute toxicity (Inhalation), Category 3 Acute toxicity (Dermal), Category 4 Skin corrosion/irritation, Category 1B Serious eye damage/eye irritation, Category 1 Specific target organ toxicity - single exposure (Respiratory system), Category 3	≥ 0.1 -< 1

Section 4: First-aid measures

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General advice	: Never give anything by mouth to an unconscious person. Move out of dangerous area. In all cases of doubt, or when symptoms persist, seek medical attention. Immediately remove contaminated clothing. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). First aid personnel should pay attention to their own safety.
If inhaled	: If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
In case of skin contact	: Do NOT use solvents or thinners. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
In case of eye contact	: If easy to do, remove contact lens, if worn. Call a physician immediately. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
If swallowed	: Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	: Causes serious eye irritation. Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available

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in Section 2 and in the Toxicological assessments available in
Section 11.

Notes to physician

: Treat symptomatically.
No known specific antidote.

Section 5: Fire-fighting measures

Suitable extinguishing media : Water spray jet

Dry powder

Alcohol-resistant foam

Carbon dioxide (CO₂)Unsuitable extinguishing
media

: High volume water jet

Specific hazards during fire
fighting: Hazardous decomposition products formed under fire
conditions.

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Advice for firefightersSpecific extinguishing
methods

: Cool containers/tanks with water spray.

Fire residues and contaminated fire extinguishing water must
be disposed of in accordance with local regulations.Collect contaminated fire extinguishing water separately. This
must not be discharged into drains.Special protective equipment
for fire-fighters

: Appropriate breathing apparatus may be required.

Hazchem Code

: 3Y

Section 6: Accidental release measuresPersonal precautions,
protective equipment and
emergency procedures

: Avoid breathing vapours.

For non-emergency personnel:

Use personal protective equipment.

Ensure adequate ventilation, especially in confined areas.

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.

Environmental precautions

: Do not allow uncontrolled discharge of product into the

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environment.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for
containment and cleaning up

: Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on safe 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.

The workplace should be equipped with an emergency

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	shower and eye-rinsing facility.
	Avoid contact with the skin, eyes and clothing.
	Handle in accordance with good industrial hygiene and safety practice.
	Do not breathe vapors or spray mist.
Hygiene measures	: Remove contaminated clothing immediately and dispose of safely.
	Wash hands before breaks and at the end of workday.
	Keep away from food, drink and animal feedingstuffs.
Further information on storage conditions	: Keep away from heat.
	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.
	Keep in a dry, cool and well-ventilated place.
Materials to avoid	: Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Recommended storage	: 5 - 40 °C

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temperature

Packaging material : Suitable material: tinned carbon steel (Tinplate), Carbon steel (Iron), Stainless steel 1.4301 (V2), Polypropylene, Polyethylenetherephthalate (PET), Low density polyethylene (LDPE), High density polyethylene (HDPE), Stove-lacquer C222A/C221A, Standard interior paint, Stove-lacquer Vitalure 745, Stove-lacquer Valspar HXR008F red, Stove-lacquer KNS L-5X, Stove-lacquer EHD0022, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer R 78433, Stove-lacquer RDL 50

Section 8: Exposure controls/personal protection**Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-butoxyethanol	111-76-2	WES-TWA	25 ppm 121 mg/m3	NZ OEL
	Further information: Skin absorption			
		TWA	20 ppm	ACGIH
butan-2-ol	78-92-2	WES-TWA	100 ppm 303 mg/m3	NZ OEL
		TWA	100 ppm	ACGIH
2-dimethylaminoethanol	108-01-0	WES-STEL	6 ppm 22 mg/m3	NZ OEL
		WES-TWA	2 ppm	NZ OEL

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			7.4 mg/m ³	
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Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-butoxyethanol	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.**Personal protective equipment**

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

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Remarks

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

nitrile gloves - material thickness: 0,35 mm

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 suitability for a specific workplace should be discussed with the producers of the protective gloves.

Request information on glove permeation properties from the glove supplier.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Preventive skin protection

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 also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480

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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 : Required when there is a risk of eye contact.

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Skin and body protection : Anti-static protective clothing

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

Section 9: Physical and chemical properties

Appearance : liquid

Color : colorless

Odor : of glycol

pH : 6.0 - 9.0

Melting point/ range : not determined

Boiling point/boiling range : 90 - 103 °C
Method: calculated

Flash point : 60 °C

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Method: ISO 3679

Flammability : Flammable liquid and vapour.

Upper explosion limit / Upper
flammability limit : not determinedLower explosion limit / Lower
flammability limit : > 35 g/m³Vapor pressure : 25 hPa (20 °C)
130 hPa (50 °C)

Relative vapor density : Lighter than air.

Density : 1.000 g/cm³ (20 °C)Solubility(ies)
Water solubility : not determinedPartition coefficient: n-
octanol/water : not applicable for mixtures

Autoignition temperature : > 200 °C

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Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity	:	
Viscosity, kinematic	:	107.1 mm ² /s (23 °C)
	:	not determined (40 °C)
Flow time	:	80 s (23 °C)
	:	Cross section: 4 mm
	:	Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics	:	
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No hazardous reactions when stored and handled according to instructions.

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Conditions to avoid	:	Protect from frost. Avoid direct sunlight. Heat.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information**Acute toxicity**

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

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
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Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
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Components:**2-butoxyethanol:**

Acute oral toxicity	:	LD50 (guinea pig): 1,200 mg/kg
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2-dimethylaminoethanol:

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Acute oral toxicity	: LD50 (Rat): 1,183 mg/kg
Acute inhalation toxicity	: LC50 (Rat): 6.1 mg/l Exposure time: 4 h Test atmosphere: vapor
Acute dermal toxicity	: LD50 (Rabbit): 1,219 mg/kg

Skin corrosion/irritation

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

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization**Skin sensitization**

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

Respiratory sensitization

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

Chronic toxicity**Germ cell mutagenicity**

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

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STOT-repeated exposure

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

Aspiration toxicity

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

Section 12: Ecological information**Ecotoxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential**Components:****2-butoxyethanol:**

Partition coefficient: n- : log Pow: 0.81 (25 °C)
octanol/water
GLP: no

butan-2-ol:

Partition coefficient: n- : log Pow: 0.61
octanol/water
GLP: no

Remarks: Information taken from reference works and the literature.

2,4,7,9-Tetramethyldec-5-yne-4,7-diol:

Partition coefficient: n- : log Pow: 2.64
octanol/water

2-dimethylaminoethanol:

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Partition coefficient: n-
octanol/water : log Pow: -0.55 (23 °C)

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations**Disposal methods**

Waste from residues : Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Section 14: Transport information**International Regulations****UNRTDG**

UN number : UN 1263

Proper shipping name : PAINT

Class : 3

Packing group : III

Labels : 3

Environmentally hazardous : no

IATA-DGR

UN/ID No. : UN 1263

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Proper shipping name	: PAINT
Class	: 3
Packing group	: III
Labels	: Flammable Liquids
Packing instruction (cargo aircraft)	: 366
Packing instruction (passenger aircraft)	: 355

IMDG-Code

UN number	: UN 1263
Proper shipping name	: PAINT
Class	: 3
Packing group	: III
Labels	: 3
EmS Code	: F-E, <u>S-E</u>
Marine pollutant	: no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation**NZS 5433**

UN number	: UN 1263
Proper shipping name	: PAINT

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Class	: 3
Packing group	: III
Labels	: 3
Hazchem Code	: 3Y
Marine pollutant	: no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****HSNO Approval Number**

HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL)

Not applicable

HSW Controls

Certified handler certificate not required.

Tracking hazardous substance not required.

Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

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Further information

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

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)

NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA : 8-hour, time-weighted average

NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average

NZ OEL / WES-STEL : Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea

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Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN