PARAGON B/L

Version	Revision Date:	SDS Number:	Date of last issue: 14.04.2025
4.0	14.05.2025	000000000050629429	Date of first issue: 14.05.2025

Section 1: Identification

Product name : PARAGON B/L

Product code : 000000000050629429

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
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Emergency contact

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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	:	Paint stripper
Restrictions on use	:	Uses other than recommended

Section 2: Hazard identification

GHS Classification

Acute toxicity (Oral)	:	Category 4
Acute toxicity (Inhalation)	:	Category 4
Skin corrosion/irritation	:	Category 1B
Serious eye damage/eye irritation	:	Category 1
Skin sensitization	:	Category 1
Germ cell mutagenicity	:	Category 2
Carcinogenicity	:	Category 2

Specific target organ toxicity - single exposure	:	Category 3 (Respiratory system, Central nervous system)
Specific target organ toxicity - repeated exposure	:	Category 2
Specific target organ toxicity - repeated exposure (Inhalation)	:	Category 2 (Kidney, Liver, Blood, Central nervous system, lung)

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H302 + H332 Harmful if swallowed or if inhaled.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H341 Suspected of causing genetic defects.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs (Kidney, Liver, Blood, Central nervous system, lung) through prolonged or repeated exposure if inhaled.

Precautionary Statements :

Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe mist or vapors.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be

allowed out of the workplace.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash

it before reuse.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Disposal:
P501 Dispose of contents/ container to an approved waste 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 : organic compounds
organic solvent
inorganic base
Water

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
dichloromethane	dichloromethane	75-09-2	Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Carcinogenicity,	>= 50 -< 70

			Category 2 Specific target organ toxicity - single exposure (Respiratory system, Central nervous system), Category 3 Specific target organ toxicity - repeated exposure (Inhalation) (Kidney, Liver, Blood, Central nervous system, lung), Category 2	
phenol	phenol	108-95-2	Acute toxicity (Oral), Category 3 Acute toxicity (Inhalation), Category 3 Acute toxicity (Dermal), Category 3 Skin corrosion/irritation, Category 1B Serious eye damage/eye irritation, Category 1 Germ cell mutagenicity, Category 2 Specific target organ toxicity - repeated exposure, Category 2	>= 10 -< 20

tall oil	Tall oil	8002-26-4	Hazardous to the aquatic environment - chronic hazard, Category 4	>= 10 -< 20
sodium hydroxide	sodium hydroxide	1310-73-2	Corrosive to Metals, Category 1 Skin corrosion/irritation, Category 1A Serious eye damage/eye irritation, Category 1	>= 2 -< 3
but-2-yne-1,4-diol	but-2-yne-1,4-diol	110-65-6	Acute toxicity (Oral), Category 3 Acute toxicity (Inhalation), Category 3 Acute toxicity (Dermal), Category 3 Skin corrosion/irritation, Category 1B Serious eye damage/eye irritation, Category 1 Skin sensitization, Category 1 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Specific target organ toxicity - repeated	>= 0.1 -< 1

			exposure (Kidney, Liver, spleen), Category 2	

Section 4: First-aid measures

General advice : First aid personnel should pay attention to their own safety.
Immediately remove contaminated clothing.
In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.
Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.
Never give anything by mouth to an unconscious person.
Keep patient warm and at rest.

If inhaled : If breathed in, move person into fresh air.

Call a physician or poison control center immediately.

If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact : Polyethylene glycol 400.

If skin irritation persists, call a physician.

		In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
In case of eye contact	:	Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Call a physician immediately. If easy to do, remove contact lens, if worn.
If swallowed	:	Do not induce vomiting due to aspiration hazard. Keep at rest. If symptoms persist, call a physician or Poison Control Center immediately. Rinse mouth with water.
Most important symptoms and effects, both acute and delayed	:	Harmful if swallowed or if inhaled. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing genetic defects. Suspected of causing cancer. May cause damage to organs through prolonged or

repeated exposure.

Causes severe burns.

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.

May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Notes to physician : No known specific antidote.
Treat symptomatically.

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 will produce dense black smoke containing

fire fighting		hazardous combustion products (see section 10).
Hazardous combustion products	:	Chlorine compounds

Advice for firefighters

Specific extinguishing methods	:	In the event of fire, cool 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	:	2X

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. Keep away from sources of ignition. Advice on product handling can be found in sections 7 and 8 of this safety data sheet. For non-emergency personnel: For emergency responders: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas.
Environmental precautions	:	Do not allow uncontrolled discharge of product into the 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 protection against fire and explosion	:	Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.
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. 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.

		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 temperature	:	0 - 40 °C
Packaging material	:	Suitable material: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene, Carbon steel (Iron), tinned carbon steel (Tinplate)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
dichloromethane	75-09-2	WES-TWA	50 ppm 174 mg/m3	NZ OEL
	Further information: Suspected human carcinogen			
		TWA	50 ppm	ACGIH
phenol	108-95-2	WES-TWA	1 ppm 3.8 mg/m3	NZ OEL
	Further information: Skin absorption			
		WES-STEL	2 ppm	NZ OEL

			7.7 mg/m3	
	Further information: Skin absorption			
		TWA	5 ppm	ACGIH
sodium hydroxide	1310-73-2	WES-Ceiling	2 mg/m3	NZ OEL
		C	2 mg/m3	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
dichloromethane	75-09-2	Dichloromethane	Urine	End of shift (As soon as possible after exposure ceases)	0.3 mg/l	ACGIH BEI
phenol	108-95-2	Total phenol	Urine	End of shift	100 mg/l	NZ BEI

		Phenol	Urine	End of shift (As soon as possible after exposure ceases)	250 mg/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

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

Filter type : Inorganic gas/vapor type

Hand protection

Remarks : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. fluoroelastomer (FKM) - 0.7 mm coating thickness Performance level 6, corresponding to a breakthrough time of >480 min according to EN ISO 374-1 The protection glove should be tested for its specific suitability (e.g.

mechanical strength, product compatibility, anti-static properties). Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection

Eye protection	:	Tightly fitting safety goggles (splash goggles) (e.g. EN 166)
Skin and body protection	:	Chemical resistant protective clothing according to DIN EN 13034 (Type 6)
Protective measures	:	Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	dark brown

Odor	:	ether-like
Odor Threshold	:	not determined
pH	:	7.5 - 10.5
Melting point/ range	:	not determined
Boiling point/boiling range	:	48 °C
Flash point	:	Not applicable
Evaporation rate	:	not determined
Flammability	:	Does not sustain combustion.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35 g/m3
Vapor pressure	:	not determined (20 °C)

		not determined (50 °C)
Relative vapor density	:	Water content greater than 10%.
Density	:	1.16 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	6.0 mm2/s (23 °C)
		not determined (40 °C)
Flow time	:	< 30 s (23 °C) Cross section: 3 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.

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.
Conditions to avoid	:	Avoid direct sunlight. When exposed to naked flames or hot surfaces (above 120 °C) the product will decompose, forming highly irritating substances. Protect from frost. 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

Harmful if swallowed or if inhaled.

Product:

Acute oral toxicity : Acute toxicity estimate: 547.99 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 16.44 mg/l
Exposure time: 4 h

Test atmosphere: vapor

Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg

Method: Calculation method

Components:

phenol:

Acute dermal toxicity : LD50 (Rat): 660 mg/kg

Skin corrosion/irritation

Causes severe burns.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

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

Chronic toxicity

Germ cell mutagenicity

Suspected of causing genetic defects.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

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

STOT-single exposure

May cause respiratory irritation.
May cause drowsiness or dizziness.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.
May cause damage to organs (Kidney, Liver, Blood, Central nervous system, lung) through prolonged or repeated exposure if inhaled.

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:

dichloromethane:

Partition coefficient: n-octanol/water	:	log Pow: 1.25 (20 °C) pH: 7 Remarks: Information taken from reference works and the literature.

phenol:

Partition coefficient: n-octanol/water	:	log Pow: 1.47 (30 °C) pH: 3 - 8 Method: OECD Test Guideline 117 Remarks: Information taken from reference works and the literature.

tall oil:

Partition coefficient: n-octanol/water	:	log Pow: 4.9 - 7.7 pH: 2 Method: OECD Test Guideline 117 GLP: yes

log Pow: 3.2 - 6.8

pH: 5 - 6

Method: OECD Test Guideline 117

GLP: yes

but-2-yne-1,4-diol:

Partition coefficient: n-octanol/water : log Pow: -0.73 (25 °C)

pH: 6 - 8

Method: OECD Test Guideline 107

GLP: no

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.

Contaminated packaging : Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC

Packaging that is not properly emptied must be disposed of as

the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 2927
Proper shipping name	:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (PHENOL, "Dichloromethane; Methylene Chloride")
Class	:	6.1
Subsidiary risk	:	8
Packing group	:	II
Labels	:	6.1 (8)
Environmentally hazardous	:	no

IATA-DGR

UN/ID No.	:	UN 2927
Proper shipping name	:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (PHENOL, "Dichloromethane; Methylene Chloride")
Class	:	6.1
Subsidiary risk	:	8
Packing group	:	II
Labels	:	Toxic, Corrosive

Packing instruction (cargo aircraft)	:	660
Packing instruction (passenger aircraft)	:	653

IMDG-Code

UN number	:	UN 2927
Proper shipping name	:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (PHENOL, "Dichloromethane; Methylene Chloride")
Class	:	6.1
Subsidiary risk	:	8
Packing group	:	II
Labels	:	6.1 (8)
EmS Code	:	F-A, S-B
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 2927
Proper shipping name	:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (PHENOL, "Dichloromethane; Methylene Chloride")
Class	:	6.1

Subsidiary risk	:	8
Packing group	:	II
Labels	:	6.1 (8)
Hazchem Code	:	2X
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.

ERG Code : 154

Section 15: Regulatory information

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

HSNO Approval Number
HSR002660 Surface Coatings and Colourants Corrosive Carcinogenic 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

Revision Date : 14.05.2025

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 BEI : New Zealand. Biological Exposure Indices

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

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

ACGIH / C : Ceiling limit

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

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

		Limit
NZ OEL / WES-Ceiling	:	Workplace Exposure Standard - Ceiling

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 Standardisation; 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 Organisation for Standardization; KECI - Korea 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; 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, Authorisation 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