

Safety Data Sheet

according to WHS Regulations

Printing date 01.12.2022

Revision: 01.12.2022

1 Identification

Product Name: BRUNOX® IX 100 (AEROSOL)

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Anti-corrosion spray.

Details of Manufacturer or Importer:

REFINISH IMPORTS PTY LTD
Unit 8, 55 Leland Street
Penrith, NSW 2750
Australia

Phone Number: (02) 4709 6377

Emergency telephone number: +61 400366483

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



Flame

Aerosol 1

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.



Health hazard

Germ Cell Mutagenicity 1B H340

May cause genetic defects.

Carcinogenicity 1A H350

May cause cancer.



Environment

Aquatic Chronic 2

H411

Toxic to aquatic life with long lasting effects.



STOT SE 3

H336

May cause drowsiness or dizziness.

Aquatic Acute 2

H401

Toxic to aquatic life.

Signal Word Danger

Hazard Statements

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H340 May cause genetic defects.

H350 May cause cancer.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

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Precautionary Statements

- P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Do not pierce or burn, even after use.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P391 Collect spillage.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 68512-91-4	Hydrocarbons, C3-4-rich, petroleum distillate 	25-50%
CAS: 64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 	10-25%
CAS: 110-82-7	Cyclohexane 	<10%
CAS: 107-98-2	1-Methoxypropan-2-ol 	0-10%
CAS: 64742-47-8	Distillates (petroleum), hydrotreated light 	0-10%

4 First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.**Skin Contact:**

In case of skin contact, remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if irritation persists.

Eye Contact:

In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion:

If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if adverse symptoms arise.

Symptoms Caused by Exposure:

Inhalation: May cause drowsiness or dizziness, as well as nausea and headache. May cause respiratory irritation.

Skin Contact: May cause skin irritation.

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Eye Contact: May cause eye irritation.

Ingestion: May cause gastrointestinal irritation, headache, and dizziness. May be fatal if swallowed and enters the airways.

5 Fire Fighting Measures

Suitable Extinguishing Media: Foam. Do NOT use a full water jet.**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon.

Product is an extremely flammable aerosol, and the container may burst if heated.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting measures entering drains or water courses.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.

Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition, as well as direct sunlight. Keep below 50 °C. Keep away from oxidising agents.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 110-82-7 Cyclohexane**WES STEL: 1050 mg/m³, 300 ppm
TWA: 350 mg/m³, 100 ppm**CAS: 107-98-2 1-Methoxypropan-2-ol**WES STEL: 553 mg/m³, 150 ppm
TWA: 369 mg/m³, 100 ppm**Engineering Controls:**

Ensure adequate ventilation of the working area, keeping airborne concentrations below occupational exposure standards.

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Respiratory Protection:

Use an approved respiratory filter in case of brief exposure. For longer exposure, use a self-contained respiratory protective device. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Nitrile rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Tightly sealed goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Aerosol
Colour:	Yellow-brown
Odour:	Characteristic
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	52 °C
Flash Point:	<0 °C
Flammability:	Extremely flammable aerosol
Auto-ignition Temperature:	210 °C
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	1.1 Vol %
Upper:	6 Vol %
Vapour Pressure at 20 °C:	2 hPa
Density at 20 °C:	0.886 g/cm ³
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Not miscible
Partition Coefficient (n-octanol/water):	No information available
Viscosity at 20 °C:	800 mPas (Dynamic)

10 Stability and Reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Heat, sparks, open flames, hot surfaces and direct sunlight. Keep below 50 °C.

Incompatible Materials: Oxidising agents.

Hazardous Decomposition Products: Oxides of carbon.

11 Toxicological Information

Toxicity:**LD50/LC50 Values:**

CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral	LD50	>5,000 mg/kg (rat)
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	LD50	>3,000 mg/kg (rabbit)
CAS: 110-82-7 Cyclohexane		
Oral	LD50	12,705 mg/kg (rat)
CAS: 107-98-2 1-Methoxypropan-2-ol		
Oral	LD50	5,660 mg/kg (rat)
	LD50	13,000 mg/kg (rabbit)
CAS: 64742-47-8 Distillates (petroleum), hydrotreated light		
Oral	LD50	>5,000 mg/kg (rat)
	LD50	2,000-4,000 mg/kg (rat)
		2,000-4,000 mg/kg (rabbit)
Inhalation	LC50/4 h	5.2 mg/l (rat)

Acute Health Effects**Inhalation:** May cause drowsiness or dizziness, as well as nausea and headache.**Skin:** May cause skin irritation.**Eye:** May cause eye irritation.**Ingestion:**

May cause gastrointestinal irritation, headache, and dizziness. May be fatal if swallowed and enters the airways.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** May cause genetic defects.**Carcinogenicity:**

May cause cancer.

Petroleum solvents are classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause drowsiness and dizziness.**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met (aerosol).**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**12 Ecological Information****Ecotoxicity:****Aquatic toxicity:**

Toxic to aquatic life with long lasting effects.

CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

LC50/96 h 2,200 mg/l (fathead minnow)

LC50/48 h >1,000 ppm (golden orfe)

CAS: 110-82-7 Cyclohexane

EC50/48 h 0.93 mg/l (crustacea)

EC50/72 h 9.32 mg/l (algae)

LC50/96 h 4.53 mg/l (fish)

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CAS: 107-98-2 1-Methoxypropan-2-ol	
EC50/48 h	500 mg/l (daphnia magna)
EC50/72 h	1,000 mg/l (senastrum capricornutum)
LC50/96 h	1,000 mg/l (rainbow trout)
CAS: 64742-47-8 Distillates (petroleum), hydrotreated light	
EC50/48 h	1.4 mg/l (daphnia magna)
EC50/72 h	1 mg/l (pseudokirchneriella subcapitata)
LC50/96 h	25 mg/l (rainbow trout)

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number	UN1950
ADG, IMDG, IATA	
Proper Shipping Name	
ADG	AEROSOLS, ENVIRONMENTALLY HAZARDOUS
IMDG, IATA	AEROSOLS
Dangerous Goods Class	
ADG Class:	2
Packing Group:	
ADG, IMDG, IATA	N/A
EMS Number:	F-D,S-U
Special Provisions:	63, 190, 277, 327, 344, 381
Excepted quantities (EQ):	E0
Limited Quantities:	1L
Packagings & IBCs - Packing Instruction:	P207, LP200
Packagings & IBCs - Special Packing Provisions:	PP87, L2

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Not a scheduled poison.

16 Other Information

Date of Preparation or Last Revision: 01.12.2022

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Prepared by: MSDS.COM.AU Pty Ltd

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Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Gases 1: Flammable gases – Category 1

Aerosol 1: Aerosols – Category 1

Press. Gas C: Gases under pressure – Compressed gas

Flammable Liquids 2: Flammable liquids – Category 2

Flammable Liquids 3: Flammable liquids – Category 3

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B

Carcinogenicity 1A: Carcinogenicity – Category 1A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aspiration Hazard 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020”.

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