



ASPIN
21 INDUSTRY STREET, UNIT #6
AURORA ON., L4G1X6
CANADA
(905)392-6655

PRODUCT: ASPIN R-10

CODE: R10

SECTION 01: IDENTIFICATION

Supplier identifier..... Aspin
21 Industry Street, Unit #6
Aurora ON.
L4G1X6
(905)392-6655

Product identifier..... ASPIN R-10

Product code..... R10

Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).

Product use..... Dishwasher rinse additive .

SECTION 02: HAZARD IDENTIFICATION

According to Hazardous Products
Regulations (HPR) (SOR/2015-17)

Hazard classification..... Not a hazardous substance or mixture.

Signal word..... None.

Hazard statement..... None.

Precautionary statements..... None.

Other hazards..... None.

Supplemental Information..... Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
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Non-hazardous and other ingredients below reportable level	not available	100
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SECTION 04: FIRST-AID MEASURES

Routes of exposure

Inhalation..... No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

Skin contact..... Rinse skin thoroughly with plenty of water. If irritation develops, get medical aid.

Eye contact..... Promptly flush with large amounts of cold water for at least 15 minutes. If irritation persists, consult a physician.

Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Medical attention and special treatment.... No special measures required.

SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media..... Use an extinguishing agent suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.

Hazardous combustion products..... Carbon oxides. Harmful vapours.

Special protective equipment and precautions Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Move containers from fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.

Sensitivity to static discharge..... Product is not sensitive to static discharge.

Sensitivity to mechanical impact..... Product is not sensitive to mechanical impact.

Further information..... Not applicable.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation. Use personal protective equipment as required.

Environmental precautions..... Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

Methods and materials for containment and cleaning up Pick up wipe and place into an appropriate container for disposal .

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SECTION 07: HANDLING AND STORAGE

Handling precautions..... No special precautions necessary.
 Storage needs..... Keep containers from excessive heat and freezing.
 Materials to avoid..... Keep away from oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
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Non-hazardous and other ingredients below reportable level not available not available not available not available not available

Engineering controls..... No special ventilation requirements.
 Individual protection measures
 Eye/type..... None required under normal conditions of use.
 Gloves/type..... None required under normal conditions of use .
 Respiratory/type..... None necessary under normal conditions of use.
 Hygiene measures..... Avoid contact with skin, eyes or clothing.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance..... liquid.
 Color..... blue.
 Odour..... mild.
 Odour threshold..... not available.
 pH..... 6.5-7.5.
 Melting point (°C)..... not applicable.
 Freezing point (°C)..... 0.
 Initial boiling point (°C)..... 100.
 Flash point (°C), Method..... >100°C, closed cup.
 Evaporation rate..... not available.
 Upper flammability limit (% vol)..... not available.
 Lower flammability limit (% vol)..... not available.
 Vapour pressure (mm Hg)..... 17.5.
 Vapour density (air=1)..... > 1.
 Relative density/Specific Gravity..... 1.0.
 Water solubility..... soluble.
 Solubility in other solvents..... not available.
 Partition coefficient — n-octanol/water..... not available.
 Auto ignition temperature (°C)..... > 200 °C.
 Thermal decomposition temperature..... not available.
 Viscosity..... thin liquid.

SECTION 10: STABILITY AND REACTIVITY

Reactivity..... No hazardous reactions if stored and handled as prescribed/indicated.
 Chemical stability..... The product is stable if stored and handled as prescribed/indicated.
 Possibility of hazardous reactions..... No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
 Conditions to avoid..... Keep away from incompatibles such as oxidizing agents.
 Incompatible materials..... None known.
 Hazardous decomposition products..... Silicone compounds .

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
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Non-hazardous and other ingredients below reportable level not available not available

Routes of exposure
 Inhalation..... None expected under normal use.
 Ingestion..... May cause irritation of the stomach.
 Skin contact..... Prolonged or repeated contact may dry skin and cause irritation.
 Eye contact..... Contact may cause eyes irritation.
 Acute effects
 Acute oral toxicity..... Acute toxicity estimate > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single ingestion.

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Acute dermal toxicity.....	LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.
Acute inhalation toxicity.....	Acute toxicity estimate : > 20 mg/l. Exposure time: 4 h. Method: calculation method. Virtually nontoxic by inhalation.
Skin corrosion/irritation.....	Non-irritant.
Serious eye damage/eye irritation.....	Result: non-irritant.
Respiratory or skin sensitisation.....	Non-sensitizing.
Specific target organ toxicity (STOT) single exposure	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.
Aspiration hazard.....	No aspiration hazard expected.
Chronic toxicity/effects	
Specific target organ toxicity (STOT) repeated exposure	No known significant effects or critical hazards.
Carcinogenicity.....	No carcinogenic substances as defined by IARC, NTP, OSHA and/or ACGIH.
Reproductive toxicity.....	Contains material which may cause developmental abnormalities, based on animal data.
Germ Cell Mutagenicity.....	No known significant effects or critical hazards.
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components.
Symptoms of Exposure.....	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	Not expected to be harmful to aquatic organisms.
Persistence and degradability.....	The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
Bioaccumulative potential.....	No data available.
Mobility in soil.....	No data available.
Other adverse effects.....	No applicable information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	
Waste disposal of substance.....	Dispose of in accordance with national, state and local regulations.
Container disposal	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

SECTION 14: TRANSPORT INFORMATION

TDG classification.....	Not classified as a dangerous good under transport regulations.
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SECTION 15: REGULATORY INFORMATION

WHMIS regulatory status.....	This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). Not WHMIS 2015 controlled.
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SECTION 16: OTHER INFORMATION

Disclaimer.....	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.
Prepared by:	CanChem Consultant
Preparation date.....	2019-11-09