

Safety Data Sheet

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : REAGENT 205 (G-205)

Manufacturer's Name: Nihon Parkerizing (M) Sdn. Bhd.	Emergency Telephone No.: 03-33410227,33410085,33410091
--	--

Address: No. 10, Jalan Keluli 2, Kawasan Perindustrian Bukit Raja, 41050 Klang, Selangor.	Email: razi@nihonparker.com norzila@nihonparker.com
--	--

Description:	Revision Date: 1 March 2022
---------------------	------------------------------------

SECTION 2 : HAZARD IDENTIFICATION

GHS Classification

Physical hazards:

Explosives : Classification not possible
Flammable gases : Not applicable
Flammable aerosols : Not applicable
Oxidizing gases : Not applicable
Gases under pressure : Not applicable
Flammable liquids : Not applicable
Flammable solids : Classification not possible
Self-reactive substances and mixtures : Classification not possible
Pyrophoric liquids : Not applicable
Pyrophoric solids : Classification not possible
Self-heating substances and mixtures : Classification not possible
Substances and mixtures, which in contact with
water emit flammable gasses : Classification not possible
Oxidizing liquids : Not applicable
Oxidizing solids : Classification not possible
Organic peroxides : Classification not possible
Corrosive to metals : Classification not possible

Health hazard :

Acute toxicity – Oral : Not classified
Acute toxicity – Dermal : Classification not possible
Acute toxicity – Inhalation (Gases) : Not applicable
Acute toxicity – Inhalation (Vapours) : Classification not possible
Acute toxicity – Inhalation (Dusts and Mists) : Classification not possible

Skin Corrosion / Irritation : Category 2

Serious Eye Damage / Eye Irritation : Category 2

Respiratory sensitization : Classification not possible

Skin sensitization : Classification not possible

Germ Cell Mutagenicity : Classification not possible

Carcinogenicity : Classification not possible

Reproductive toxicity : Classification not possible

Specific target organ toxicity following (single exposure) :

Classification not possible

Specific target organ toxicity following (repeated exposure) :

Classification not possible

Aspiration toxicity : Classification not possible

Environmental hazards:

Hazardous to the aquatic environment acute hazard : Classification not possible

Hazardous to the aquatic environment chronic hazard : Category 3

GHS label elements:

Pictogram



Signal word : Warning

Hazard Statements:

H315 Causes skin irritation

H319 Causes serious eye irritation

H412 Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P264 Wash hands, face thoroughly after handling.

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

P273 Avoid release to environment.

Response:

If skin irritation occurs, get medical advice/attention.

If eye irritation persists, get medical advice/attention.

If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If ON SKIN: Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.

Storage:

Stored in a specified position and in a cool indoor place.

Disposal:

Dispose of contents/container through a licensed disposal agent in accordance with local/regional/national/international regulations (to be specified).

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

Division of chemical substance/mixture : Chemical substance

Chemical name or generic name : **REAGENT 205 (G-205)**

Ingredient	CAS Number	Content (%)
Sulfamic acid	-	100

SECTION 4 : FIRST AID MEASURES

Description of first aid measures:

INHALATION	<ul style="list-style-type: none"> - Remove to fresh air and keep at rest position comfortable for breathing. - Call a POISON CENTRE or doctor/physician.
SKIN	<ul style="list-style-type: none"> - Wash the victim's skin with plenty of soap and running water. - If skin irritation, pain, blisters or rash occurs or if you feel unwell: Call a POISON CENTER or doctor/physician. - Remove/Take off immediately all contaminated clothing. - Wash contaminated clothing before reuse.
EYES	<ul style="list-style-type: none"> - Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - If eye irritation persists, get medical advice/attention immediately.
SWALLOWED	<ul style="list-style-type: none"> - If necessary, rinse mouth. - If the victim is vomiting, turn the head to the side so that the airways are not blocked.
PROTECTION	<ul style="list-style-type: none"> - Personal protective equipment described in Section 8:

FOR FIRST-AIDERS

- Exposure control/Personal protection.
- Ventilated area, if gases, vapours, mists or dusts occur.

SECTION 5 : FIRE FIGHTING MEASURES
Suitable Extinguishing Media:

- This product is not combustible.

Specific Extinguishing Method:

- Remove combustible materials from fire area.
- Move container from fire areas if possible to do so without hazard.
- Cool down container and the surrounding area by water, if container can't be moved.

Protection For Fire-Fighters:

- Fight a fire from windward to avoid inhalation of vapour and combustion gases.
- In firefighting, wear proper protective equipment (fire fighter protective clothing, respiratory protection) to avoid inhale and contact with the chemical.

SECTION 6 : ACCIDENTAL RELEASE MEASURES
Personal Precautions, Protective Equipment and Emergency Procedures:

- Wear protective equipment regulated in Section 8: Exposure Control and Personal Protection to avoid contact to eyes or skin and inhalant gases, dust and fumes.
- Set up off-limits area to prevent secondary disaster.
- Use local exhaust to avoid inhalant gases, mist, vapour or dust for indoor work.

Environmental Precautions:

- Take caution to avoid possible environment impact at spill or disposal to natural water system
- In case of using waste water treatment equipment, call the administrator to avoid discharge the waste water involving the product.

Methods and Materials for Containment and Cleaning Up:

- Retrieve spilled material, using shovel or waste cotton.
- Retrieve spilled material, collect and store in suitable container.
- Spilled materials and contaminated substances should be disposed as regulated.

Secondary Disaster Prevention Measures:

- Set-up off-limits area to prevent secondary disaster.
- Call the section relating safety, hygiene, environment, disaster prevention etc.
- Take proper measures.

Recovery, Neutralization and Disposal:

- Sweep together dispersing substance. Store in a closed container.

-
- Take caution to avoid dispersing the dust.

SECTION 7 : HANDLING AND STORAGE

Technical Measures:

- Take necessary steps to avoid contact and/or overexposure, for instant protective facilities, protective equipment regulated in Section 8: Exposure Control and Personal Protection.
- Handle in a well-ventilated place.

Local Ventilation/Total Ventilation:

- Take necessary ventilation regulated in Section 8: Exposure Control and Personal Protection.

Precautionary Statements:

- Wear suitable Protective Equipment, gloves and eye/face protection to avoid contact with skin, clothing or mucous membrane.
- Wash hand and faces after handling. Do not bring polluted protective equipment into the resting room.
- Wear suitable protective equipment and handle in a well-ventilated place.

Safe Handling Instructions:

- Avoid release to environment.
- Avoid rough handling such as toppling, dropping, exposing shock, dragging.
- Call attention to workers about hazard information by posting SDS.

Avoid Contact Storage:

- Refer to compatible materials shown in Section 10 : Stability and Reactivity

Suitable Condition:

- Store in a specified position or in a cool indoor place.
- In every use, keep container tightly closed.

Packing Material:

- Use product containers or a container having enough strength.

SECTION 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION

Protective Equipment :

- Make available hand wash and face wash in work place. After handling, wash hands and face.
- If necessary, use local exhaust, push-pull ventilation system or general ventilation.

Personal Protective Equipment

Respiratory Protection:

- If necessary, wear proper respiratory protection.
-

Hand Protection:

- Wear chemical resistant gloves.

Eye Protection:

- Use proper eye protection.
- If necessary, use chemical goggles or face shield.

Skin and Body Protection:

- If necessary, wear proper protective clothing.

Appropriate Hygiene Measures:

- Wash hands, face thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Physical State	: Solid
Color	: White
Odour	: No information
pH	: No information
Melting Point/Freezing Point	: No Information
Initial Boiling Point and Boiling Range	: No Information
Flash Point	: No Information
Auto-Ignition Temperature	: No Information
Upper/Lower Flammability or Explosive Limits	: No Information
Vapour Pressure	: No Information
Vapour Density	: No Information
Evaporation Speed	: No Information
Specific Gravity(relative density)	: 2.1 (27°C)
Solubility in Water	: No Information
Dissolubility in Water	: No information
Solubility in Organic Solvent	: No Information
Dissolubility in Organic Solvent	: No Information
n-Octanol/Water Partition Coefficient	: No Information

Decomposition Temperature : No Information

SECTION 10 : STABILITY & REACTIVITY

Stability/Possibility of Hazardous Reaction:

Stable under normal conditions.

Condition to Avoid:

No Information.

Incompatibility Materials:

No information.

Hazardous decomposition product:

No Information.

Others:

No Information.

SECTION 11 : TOXICOLOGICAL INFORMATION

Acute toxicity studies:

Acute toxicity studies are shown as below:

Sulfamic acid	LD50(oral)	Rat	3160 mg/kg
Sulfamic acid	LD50(oral)	Mouse	1312 mg/kg
Sulfamic acid	LD50(oral)	Guinea pig	1050 mg/kg

Health Hazard Category List 1 :

Ingredients	Skin Corrosion/Irritation	Serious Eye Damage/ Eye Irritating	Respiratory Sensitization	Skin Sensitization	Germ Cell Mutagenicity	Reproductive Toxicity
Sulfamic acid	2	2	X	X	X	X

Health Hazard Category List 2:

Ingredients	Specific Target Organ Toxicity-Single Exposure			Specific Target Organ Toxicity-Repeated Exposure		Aspiration Toxicity
	Category 1	Category 2	Category 3	Category 1	Category 2	
Sulfamic acid	X	X	X	X	X	X

X : Classification not possible

- : Not classified

Carcinogenicity

Ingredient	GHS Classification	IARC	NTP	EPA 1986	EPA 1996	EPA 2005	ACGIH	EU Directive
Sulfamic acid	X							

SECTION 12 : ECOLOGICAL INFORMATION
Hazardous to the aquatic environment

Ecotoxicity : No Information

Fish Toxicity : No Information

Effect on animal
and plants : No Information

Bioaccumulative
potential : No Information

Environmental Effect

Persistence and
degradability : No Information

Ozone Depleting
potential : No Information

Global Warming
potential : No Information

Mobility In Soil : No Information

Other Harmful
Effects : No Information

SECTION 13 : DISPOSAL CONSIDERATIONS

Residual Waste : Dispose of contents/container through a licensed disposal agent in accordance with local/regional/national/international regulations (to be specified)

Contaminated Container : Reuse containers after cleaning, dispose properly in accordance with related laws and local regulations.

and Contaminated
Packaging : Remove contents thoroughly from a container before disposal of it.

SECTION 14 : TRANSPORT INFORMATION

- Follow the procedure specified in section 7 – Handling and Storage.
- Make sure no leak in the container. Load steadily to avoid load shifting such as falling, dropping and damaged.
- Regulatory information with regard to the transportation of this substances is

describe as below:

UN Number : 2967 Class : 8 Packing Group : III

- ❖ Land Transportation : Follow all regulations in the country or region.
- ❖ Marine Transportation : Follow the procedure specified by IMDG CODE. Do not discharge into the sea area.
- ❖ Air Transport : Follow the procedure specified by IATA REGULATION.

SECTION 15 : REGULATORY INFORMATION

- Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

SECTION 16 : ADDITIONAL INFORMATION

Other Precautions:

For industrial use only.

USERS RESPONSIBILITY:

This product safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to ensure safe workplace operations. Please consult your local sales representative for any further information.

SECURITY OBLIGATION:

This document contains trade secrets, know-how, and other intellectual properties of the manufacturer. The purposes of this document are primarily to disclose information for occupational safety and health, to respond to requirement from relevant laws, ordinances, regulations and requirements from public authorities. Illegal use of any part of this document may from breach manufacture's intellectual properties and subject to compensation for damages.
