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SAFETY DATA SHEET (SDS)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name	Rust Veto 4214J
Recommended use	Rust Preventative

Manufacturer, Importer, Supplier

Houghton Japan Co. Ltd.
Takanawa Nakayama Bldg. 3F
2-16-45 Takanawa, Minato-ku
Tokyo, Japan 108-0074
Phone: +81-3-5449-6550
Fax: +81-3-5449-2631

Emergency telephone number
Phone: +81-3-5449-6550
Fax: +81-3-5449-2631

SECTION 2: Hazards identification

Classification

Physical hazards

Explosives	Classification not possible
Flammable gases (including chemically unstable gases)	Classification not possible
Aerosols	Classification not possible
Oxidizing gases	Not applicable
Gases under pressure	Classification not possible
Flammable liquids	Category 3
Flammable solids	Not applicable
Self-reactive substances and mixtures	Classification not possible
Pyrophoric liquids	Classification not possible
Pyrophoric solids	Not applicable
Self-reactive substances and mixtures	Classification not possible
Substances and mixtures which, in contact with water, emit flammable gases	Classification not possible
Oxidizing liquids	Classification not possible
Oxidizing solids	Not applicable
Organic peroxides	Classification not possible
Corrosive to	Classification not possible

Health hazards

Acute toxicity (oral)	Classification not possible
Acute toxicity (dermal)	Classification not possible
Acute toxicity (inhalation: gas)	Not applicable
Acute toxicity (inhalation: vapour)	Classification not possible
Acute toxicity (inhalation: dust, mist)	Classification not possible
Skin corrosion/irritation	Classification not possible
Serious eye damage/eye irritation	Classification not possible
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
Reproductive toxicity, effects on or via lactation	Classification not possible
Specific target organ toxicity (single exposure)	Category 3 (Narcotic effects)
Specific target organ toxicity (repeated exposure)	Classification not possible
Aspiration hazard	Category 1

Environmental hazards

Hazardous to the aquatic environment(acute hazard)	Classification not possible
Hazardous to the aquatic environment(long-term hazard)	Classification not possible
Hazardous to the ozone layer.	Classification not possible

GHS Label elements, including precautionary statements

Signal Word

DANGER

Hazard Statements

- Flammable liquid and vapour
- May be fatal if swallowed and enters airways
- May cause drowsiness or dizziness

Precautionary Statements

【Safety measures】

- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/.../equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.

【Emergency measures】

- IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- Call a POISON CENTER/doctor/…/if you feel unwell.
- Do NOT induce vomiting.
- In case of fire: Use ... to extinguish.

【Storage】

- Store in a well-ventilated place. Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- Store locked up.

【Disposal】

- Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

This product is a mixture. Health hazard information is based on its ingredients.

Components and content

Naphtha	80-90 wt. %
Refined mineral oi	1-10 wt. %
Paraffin wax	1-10 wt. %
Additives	1-10 wt. %

Chemical formula or structural formula	Not applicable
UN No	UN1950, AEROSOLS (maximum 1 litre), Class 2.1

Hazardous component

Occupational Safety and Health Act display object

Naphtha	80-90 wt. %
Mineral oil	1-10 wt. %
Paraffin wax	1-10 wt. %

Industrial Safety and Health Law notification object

Naphtha	80-90 wt. %
Mineral oii	1-10 wt. %
Paraffin wax	1-10 wt. %

PRTR Law	Not applicable
Poisonous and Deleterious Substances Control Act	Not applicable
RoHS	Not applicable

SECTION 4: FIRST AID MEASURES

General advice — Do not get in eyes, on skin, or on clothing. When symptoms persist or in all cases of doubt seek medical advice. Do not breathe dust/fume/gas/mist/vapors/spray.

Inhalation — Move to fresh air. If symptoms persist, call a physician

Skin contact — Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.

Eye contact — Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Seek immediate medical attention/advice.

Ingestion — Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. If symptoms persist, call a physician.

Protection of First-aiders

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

SECTION 5: FIRE FIGHTING MEASURES

XTINGUISHING MEDIA

Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS

FLASH POINT IS LESS THAN 20°F. EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can. Closed containers may explode when exposed to extreme heat due to buildup of steam. No unusual fire or explosion hazards noted.

SPECIAL FIREFIGHTING PROCEDURES

Evacuate area and fight fire from a safe distance. Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and nonsparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Ventilate area, isolate spilled material, and remove with inert absorbent.

Dispose of contaminated absorbent, container, and unused contents in accordance with local,

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all SDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Contents under pressure. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials. Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep away from heat, sparks, flame and sources of ignition. Avoid excess heat.

Incompatible Materials
Strong oxidizing agents, Strong acids, Strong bases

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Permissible concentration

Mineral Oil	ACGIH(2013)	5 mg/m^3
（Mist）	JSOH(2014)	3 mg/m^3
Butane	ACGIH(2013)	1000ppm
	JSOH(2014)	500ppm
Nonane	ACGIH(2013)	200ppm
	JSOH(2014)	200ppm

Exposure controls

Engineering Measures	Showers Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Tightly fitting safety goggles.
Skin and body protection	Wear protective gloves/clothing.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
Hygiene measures	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or product. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state @20°C	liquid
Appearance	Light Brown
Odor	Mild Solvemt
Odor Threshold	Not Applicable

Specific temperatures/temperature ranges at which physical state changes

Boiling point (℃)	No information available
Melting point (℃)	No information available
Freezing point(℃)	No information available
Pour point(℃)	No information available
Decomposition temperature (℃)	No information available
Flashpoint (Contents, ℃, COC)	>38
Auto ignition temperature (℃, CO(	No information available
Explosion properties	No information available
Explosion limit	No information available
Density (Contents, 15℃, g/cm3)	0.80
Vapor density (air=1)	No information available
Vapor pressure (hPa)	No information available
Water Solubility	negligible
Log Pow	No information available
Others	No information available
Volatile	No information available
Initial boili (℃)	No information available
Kinematic viscosity (Contents, 40°	1

SECTION 10: STABILITY AND REACTIVITYS

10.1. Reactivity

None under normal use conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None under normal use conditions

10.4. Conditions to avoid

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity,
Keep away from open flames, hot surfaces and sources of ignition

10.5. Incompatible Materials

Strong oxidizing agents, Strong acids, Strong bases

10.6. Hazardous decomposition products

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide.

ECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity - oral	Classification not possible
Acute toxicity - dermal	Classification not possible
Acute toxicity - inhalation (gases)	Not applicable
Acute toxicity - inhalation (vapours)	Classification not possible
Acute toxicity (inhalation: dust, mist)	Classification not possible
Skin corrosion/irritation	Classification not possible
Serious eye damage/eye irritation	Classification not possible
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	Classification not possible
(single exposure)	The mixtures are classified in Category 3 (Narcotic effects) than Specific target organ toxicity (single exposure) of each ingredient.
Specific target organ toxicity (repeated exposure)	Classification not possible

Aspiration hazard

The mixtures are classified in category 1 than Aspiration hazard of each ingredient.

SECTION 12: ECOLOGICAL INFORMATION

Environmental hazards

Hazardous to the aquatic environment(acute hazard)	Classification not possible
Hazardous to the aquatic environment(long-term hazard)	Classification not possible
Hazardous to the ozone layer.	Classification not possible

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods	Dispose of in accordance with federal, state, and local regulations.
Contaminated packaging	Dispose of in accordance with local regulations..
US EPA Waste Number	D001

SECTION 14: TRANSPORT INFORMATION

ICAO/IATA

UN/ID No	UN1268
Proper shipping name	PETROLEUM DISTILLATES, N.O.S.
Hazard class	3
Packing Group	Ⅲ
Description	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, Ⅲ

IMDG/IMO

UN/ID No	UN1268
Proper shipping name	PETROLEUM DISTILLATES, N.O.S.
Hazard class	3
Packing Group	Ⅲ
EmS No.	F-E, S-E
Special Provisions	223, 363, 95

Description UN1268, PETROLEUM DISTILLATES, N.O.S., 3, Ⅲ

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA

DSL All components are NOT on the Chemical Inventory

U.S. Federal Regulations

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	no
Fire Hazard	Yes
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

SECTION 16: Other information

NFPA Health Hazard 2 Flammability 2 Instability 0 Physical and chemical hazards -

Disclaimer

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