

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Name	RP7
Intended Use	Lubricating and penetrating spray which displaces water to help start wet engines, loosen nuts and bolts and release rusted locks
Manufacturer	NIPPON PAINT (VIET NAM) CO., LTD No. 14, 3A Road, Bien Hoa Industrial Zone II, Long Binh Tan Ward, Bien Hoa City, Dong Nai Province, Vietnam Tel: (84).251.3836579 – 3836586 (8 lines), Fax: (84).251.3836346 – 3836349 Hot line: 18006111

2. HAZARDS IDENTIFICATION

Classified as Dangerous Goods for Transport by Road and Rail; DANGEROUS GOODS.

Risk Phrases	Extremely Flammable. Harmful: May cause lung damage if swallowed.
Safety Phrases	If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
Poisons Schedule	None allocated.

3. HAZARDOUS COMPONENT IDENTIFICATION

Components	CAS Number	Proportion	Risk Phrases
White spirit (Stoddard solvent)	8052-41-3	30-60%	R65
Butane	106-97-8	10-<20%	R12
Propane	74-98-6	10-<20%	R12
Ingredients determined not to be hazardous	-	to 100%	-

4. FIRST-AID MEASURES

Eye contact	If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.
Skin contact	If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice
Inhalation	Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a

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Ingestion	qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice. Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice.
Medical attention and special treatment	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code	2YE
Suitable extinguishing media	Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
Hazards from combustion products	Flammable gas. On burning will emit toxic fumes.
Precautions for fire fighters and special protective equipment	Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and clean up:

Shut off all possible sources of ignition. In the event of an aerosol can developing a leak, allow to fully discharge in the open air before disposal.

7. HANDLING AND STORAGE

Handling	Avoid skin and eye contact and breathing in vapour, mists and aerosols. Ensure spray nozzle is always directed away from the user. May form flammable vapour mixtures with air. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke. Vapour may travel a considerable distance to source of ignition and flash back.
Storage	Store in cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidising agents. Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for constituent(s):

Butane: 8hr TWA = 1900 mg/m³ (800 ppm)

Propane: Asphyxiant

White spirits: 8hr TWA = 790 mg/m³

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As published by the National Occupational Health and Safety Commission. No Exposure Standards assigned to other constituents.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

Asphyxiant - gases which can lead to reduction of oxygen concentration by displacement or dilution. The minimum oxygen content in air should be 18% by volume under normal atmospheric pressure.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering controls:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Use in well ventilated areas. Keep containers closed when not in use. An asphyxiant gas which can lead to the displacement or dilution of oxygen. The minimum oxygen content in air should be 18% by volume under normal atmospheric pressure.

Personal Protective Equipment:

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Selleys Factory Safe Handling Code: Green



MANUFACTURE, PACKAGING AND TRANSPORT: Green - Wear overalls (or 'issued' long pants and long sleeve tops), safety boots, gloves and safety glasses. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

For leaking aerosol cans: Blue - Wear overalls (or 'issued' long pants and long sleeve tops), safety boots, gloves and face shield or chemical goggles. If risk of inhalation exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

FOR CONSUMER USE: Use with adequate ventilation. No special personal protective equipment required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol
Odour	Hydrocarbon
Solubility	Insoluble in water
Specific Gravity	0.71 @20°C
Relative Vapour Density (air=1)	Not available
Vapour Pressure (20 °C)	Not available
Flash Point (°C)	Not available

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Flammability Limits (%)	Not available
Autoignition Temperature (°C)	Not available
% Volatile by Weight	82
Melting Point/Range (°C)	Not available
Boiling Point/Range (°C)	Not available
Decomposition Point (°C)	Not available
pH	Not available
Viscosity	Not applicable
Evaporation Rate	Not available

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions of use.
Conditions to avoid	Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame.
Incompatible materials	Incompatible with oxidising agents.
Hazardous decomposition products	Oxides of carbon.
Hazardous reactions	None known.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Eye contact	May be an eye irritant.
Skin contact	Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.
Inhalation	Breathing in vapour can result in headaches, dizziness, drowsiness, and possible nausea. Breathing in high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness. Intentional misuse by deliberately concentrating and breathing the contents can be harmful or fatal.
Ingestion	Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs.

Long Term Effects:

No information available for the product.

Toxicological Data: No LD50 data available for the product.

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12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal methods:

Refer to Waste Management Authority. Advise flammable nature. Do not puncture or burn can when empty; contents are under pressure. If aerosol can develops a leak, allow to fully discharge before disposal. Normally suitable for disposal at approved land waste site.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods for Transport by Road and Rail; DANGEROUS GOODS.



UN No	1950
Class-primary	2.1 Flammable Gas
Proper Shipping Name	AEROSOLS
Hazchem Code	2YE

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No	1950
Class-primary	2.1 Flammable Gas
Proper Shipping Name	AEROSOLS

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No	1950
Class-primary	2.1 Flammable Gas
Proper Shipping Name	AEROSOLS, FLAMMABLE

15. REGULATORY INFORMATION

Classification	This material is hazardous
Hazard Category	Xn: Harmful
Risk Phrase(s)	R12: Extremely Flammable.

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Safety Phrase(s)	R65: Harmful: May cause lung damage if swallowed. S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
Poisons Schedule	None allocated.

16. OTHER INFORMATION

For further copies of this sheet or other product information contact NIPPON PAINT (VIỆT NAM) Customer Service

Phone: 18006111

Reason(s) for Issue:

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This safety data sheet has been prepared by SDS Services.

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since we cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact NIPPON PAINT (VIỆT NAM) Limited at the contact details on page 1.

Our responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

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