

Product name: RYCO Heavy Duty Degreaser

1. COMPANY DETAILS AND PRODUCT IDENTIFICATION

COMPANY: RYCO Hydraulics Pty Ltd (ABN 96 085 527 724)
ADDRESS: 19 Whitehall Street, Footscray, VIC. 3011 Australia

TELEPHONE NUMBER: (03) 9680 8000
FAX NUMBER: (03) 9680 8001

EMERGENCY TELEPHONE NUMBER: (03) 9680 8000

PRODUCT NAME: RYCO Heavy Duty Degreaser

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: RHDD-

USE: Solvent based degreaser/cleaning product

ADDITIONAL INFORMATION: Refer to Product Information Sheet for additional information.

OTHER INFORMATION: Visit our website: <http://www.RYCO.com.au>
Email: sales@RYCO.com.au

2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:

This product is classified as: Hazardous according to the criteria of NOHSC, and GHS Classification.
Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

DANGEROUS GOODS: Class: 3 Flammable liquid

POISON SCHEDULE: S5. Caution



SIGNAL WORD:

DANGER

2. HAZARDS IDENTIFICATION (CONT)

GHS HAZARD CLASSIFICATIONS

FLAMMABLE LIQUIDS:	Category 3
ASPIRATION HAZARD:	Category 1
SKIN CORROSION/IRRITANT:	Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):	Category 3 Narcotic Effects
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):	Category 1
CHRONIC HAZARD TO THE AQUATIC ENVIRONMENT:	Category 2

HAZARD STATEMENTS:	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H336 May cause dizziness or drowsiness H372 Causes damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
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PREVENTION PRECAUTIONARY STATEMENTS:	P102 Keep out of reach of children. P103 Read label before use. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical, ventilating, lighting and all other equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P260 Do not breathe dust, fume, gas, mist vapours or spray. P261 Avoid breathing dust, fume, gas, mist vapours or spray. P264 Wash hands, face and all exposed skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product P271 Use only outdoors or in a well-ventilated area P281 Use personal protective equipment as required.
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RESPONSE PRECAUTIONARY STATEMENTS:	P101 If medical advice is needed, have product container or label at hand. P301+P310 IF SWALLOWED: Immediately call the POISON INFORMATION CENTER on 13 11 26 or doctor/physician. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P303+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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2. HAZARDS IDENTIFICATION (CONT)

P312 Call the POISON INFORMATION CENTER on 13 11 26 or doctor/physician if you feel unwell.
P314 Get medical advice / attention if you feel unwell.
P331 Do NOT induce vomiting.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction.

STORAGE PRECAUTIONARY STATEMENTS:

P403+P233 Store in a well-ventilated place. Keep container tightly closed..
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

DISPOSAL PRECAUTIONARY STATEMENT:

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

3. COMPOSITION/INFORMATION OF INGREDIENTS

CHEMICAL ENTITY	CAS NO	PROPORTION
Naptha, petroleum, hydrosdesulfurized heavy	64742-82-1	>60 % (w/w)
Solvent naptha, petroleum, light aromatic	64742-95-6	0-30 % (w/w)
Ingredients determined to be Non-Hazardous	-	Balance

4. FIRST AID MEASURES

GENERAL:

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 13 11 26, New Zealand 0800 764 766).

INHALATION:

Remove victim from 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. Seek medical advice if effects persist.

SKIN CONTACT:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If swelling, redness, blistering, or irritation occurs seek medical assistance. If blistering occurs, do NOT break blisters.

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.

4. FIRST AID MEASURES (CONT)

INGESTION: Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Immediately call a Poisons Information Centre or Doctor.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

HAZCHEM CODE: 3Y

SUITABLE EXTINGUISHING MEDIA: If material is involved in a fire use alcohol resistant foam, standard foam or dry agent (carbon dioxide, dry chemical powder).

SPECIFIC HAZARDS: Highly flammable liquid and vapour. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. 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.

FIRE FIGHTING FURTHER ADVICE: Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS: If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain / prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

HANDLING:	Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.
STORAGE:	Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

7. HANDLING AND STORAGE (CONT)

This material is classified as a Class 3 Flammable Liquid as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison Schedule 5 (Caution) and must be stored, maintained and used in accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL OCCUPATIONAL EXPOSURE LIMITS:	No value assigned for this specific material by Safe Work Australia.
BIOLOGICAL LIMIT VALUES:	As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.
VENTILATION:	Natural ventilation should be adequate under normal use conditions.
PERSONAL PROTECTION EQUIPMENT:	<p>SAFETY SHOES, OVERALLS, GLOVES, SAFETY GLASSES, RESPIRATOR.</p> <p>Wear safety shoes, overalls, gloves, chemical goggles, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.</p>

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT)

HYGIENE MEASURES: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOUR:	Colourless
ODOUR:	Characteristic
SOLUBILITY IN WATER @ 20°C (1 kg/m ³):	0.1
DENSITY @ 15°C (kg/Lt):	0.795
RELATIVE VAPOUR DENSITY (AIR = 1):	4.35
FLASH POINT (°C):	40
FLAMMABILITY LIMITS (%) Volume:	0.7 – 7
AUTOIGNITION TEMPERATURE (°C):	300
BOILING POINT/RANGE (°C):	150 - 190
EVAPORATION RATE (N-BUTYL ACETATE = 1):	0.2

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	This material is thermally stable when stored and used as directed.
CONDITIONS TO AVOID:	Elevated temperatures and sources of ignition.
INCOMPATIBLE MATERIALS:	Oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon and nitrogen, smoke and other toxic fumes.
HAZARDOUS REACTIONS:	No known hazardous reactions.

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 over exposure occurs are:

ACUTE EFFECTS

INHALATION:	Material may be an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.
SKIN CONTACT:	Contact with skin will result in irritation.
INGESTION:	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. May cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema.
EYE CONTACT:	May be an eye irritant.

ACUTE TOXICITY

INHALATION:	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20 mg/L
SKIN CONTACT:	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw
INGESTION:	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw.
CORROSION/IRRITANCY:	Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as a Category 2 Hazard (reversible effects to skin).
SENSITISATION:	Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.
ASPIRATION HAZARD:	This material has been classified as Aspiration Hazard – Category 1.
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):	This material has been classified as a Category 3 Hazard. Exposure via inhalation may result in depression of the central nervous system.

CHRONIC TOXICITY

MUTAGENICITY:	This material has been classified as non-hazardous.
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11. TOXICOLOGICAL INFORMATION (CONT)

CARCINOGENICITY:	This material has been classified as non-hazardous.
REPRODUCTIVE TOXICITY (INCLUDING VIA LACTATION):	This material has been classified as non-hazardous.
SPECIFIC TARGET ORGAN TOXICITY (REPEAT EXPOSURE):	This material has been classified as a Category 1 Hazard.

12. ECOLOGICAL INFORMATION

AVOID CONTAMINATING WATERWAYS.

ACUTE AQUATIC HAZARD:	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L
LONG-TERM AQUATIC HAZARD:	This material has been classified as Category Chronic 2 Hazard. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): 1 - 10 mg/L, where the substance is not rapidly degradable and/or BCF \geq 500 and/or log Kow \geq 4.
ECOTOXICITY:	No information available.
PERSISTENCE AND DEGRADABILITY:	No information available.
BIOACCUMULATIVE POTENTIAL:	No information available.
MOBILITY:	No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



UN NO:	1268
DANGEROUS GOODS CLASS:	3
PACKING GROUP:	III
HAZCHEM CODE:	3Y
PROPER SHIPPING NAME:	PETROLEUM PRODUCTS, N.O.S.
SEGREGATION DANGEROUS GOODS:	Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.



UN NO:	1268
DANGEROUS GOODS CLASS:	3
PACKING GROUP:	III
PROPER SHIPPING NAME:	PETROLEUM PRODUCTS, N.O.S.

14. TRANSPORT INFORMATION (CONT)

AIR TRANSPORT

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



UN NO: 1268
DANGEROUS GOODS CLASS: 3
PACKING GROUP: III
PROPER SHIPPING NAME: PETROLEUM PRODUCTS, N.O.S.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material is subject to the following international agreements:

Basel Convention (Hazardous Waste)
• Wastes from the production, formulation and use of organic solvents

This material/constituent(s) is covered by the following requirements:

• The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth).
• All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

CONTACT PERSON/POINT: Product Manager Industrial (03) 9680 8000

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

16. OTHER INFORMATION (CONT)

Safety Data Sheets are updated frequently. Please ensure you have a current copy.

- LITERATURE REFERENCES:
- * Safework Australia: 2016 Code of Practice for the Preparation of Safety Data Sheets for Hazardous Substances.
 - * NOHSC: 2011 National Code of Practice for the preparation of Material Safety Data Sheets.
 - * NOHSC: 1008 Approved Criteria for Classifying Hazardous Substances.
 - * NOHSC: 10005 List of Designated Hazardous Substances.
 - * NOHSC: 1005 Control of Workplace Hazardous Substances, National Code of Practice.
 - * NOHSC: 2007 Control of Workplace Hazardous Substances, National Code of Practice.
 - * NOHSC: 1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards.
 - * NOHSC: 3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note.
 - * NOHSC: 1015 Storage and Handling of Workplace Dangerous Goods, National Standard.
 - * NOHSC: 2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice.
 - * SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons
 - * ADG: Australian Dangerous Goods Code
 - * MSDS of component materials.

LAST CHANGE: Supercedes document issued: 13 August 2013
Reason/s for revision: Minor editorial changes, alignment to GHS requirements.

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END OF SDS