SAFETY DATA SHEET MANPOWER RED D60

According to EC Regulation 1907/2006/EC - revision 2015/830

Revision No. 3.2

Print Date 29/01/2019 **Creation Date** 02/02/2015 **Revision Date** 21/01/2019

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier

Product Name MANPOWER RED D60
Product Code 1410GX1 (CLP)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use
Solvent degreaser.

1.3. Details of the supplier of the safety data sheet

NCH UK & Ireland, NCH House, Springvale Avenue, Bilston, WV14 0QL Tel (UK): 01902 510200, Tel (Ireland): 042 939 5502
E-mail address technical_uk@nch.com
Website address www.ncheurope.com

1.4. Emergency telephone number

UK - 01902 510200 (available during Office Hours)
In Republic of Ireland (available from 8am to 10pm daily): 01 809 2166

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations
Aspiration hazard: Category 1
H304 - May be fatal if swallowed and enters airways
EUH066 - Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)
Contains NAPHTHA (PETROLEUM) HYDROTREATED HEAVY.
Hazard pictograms



Signal word DANGER
Hazard Statements
H304 - May be fatal if swallowed and enters airways
EU classification for GHS template
EUH066 - Repeated exposure may cause skin dryness or cracking.
Precautionary Statements
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P331 - Do NOT induce vomiting
For industrial and institutional use only.
Keep out of reach of children.

2.3. Other hazards

No additional hazards identified.
The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2 Mixture

Chemical Name	CAS-No.	EC No.	EU - REACH reg number	Weight-%	EU - GHS/CLP Classification	Notes
NAPHTHA (PETROLEUM) HYDROTREATED HEAVY	64742-48-9	918-481-9	01-2119457273-39	50 - 100	Asp. Tox. 1 (H304)	P

For any H statements mentioned in this section, see the full text in section 16.
EU Notes
Note P - The classification as a carcinogen or mutagen does not apply as the substance contains less than 0.1% w/w benzene

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

If symptoms persist, call a physician. Avoid breathing vapours or mists.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician immediately.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth with water. If swallowed, do not induce vomiting - seek medical advice. Aspiration hazard if swallowed - can enter lungs and cause damage.

Inhalation

If problems with breathing occur, move to fresh air. If symptoms persist, call a physician.

4.2. Most important symptoms and effects, both acute and delayed

Sensitisation

No information available.

Eye contact

May cause irritation as itching and redness.

Skin contact

Prolonged contact will dry and defat the skin and may cause irritation such as itching and redness.

Ingestion

Aspiration into lungs on ingestion or vomitting may cause bronocopneumonia or pulmonary oedema which can be fatal.

Inhalation

Inhalation of mists may result in irritation to the respiratory tract. May cause headaches, dizziness, drowsiness and nausea.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician

Treat symptomatically. Aspiration hazard if swallowed - can enter lungs and cause damage.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use:. Dry powder. Alcohol-resistant foam. Water spray.

Extinguishing media which must not be used for safety reasons

Water jet.

5.2. Special hazards arising from the substance or mixture

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide,smoke and/or nitrogen oxide.

5.3. Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions. See section 8. Remove all sources of ignition. Ventilate the area. Evacuate personnel to safe areas.

6.2. Environmental precautions

Avoid release of neat product into surface water and sanitary sewage system. Prevent further leakage or spillage if safe to do so. Insoluble in water and hence will float on the surface.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Contain spillage, soak up with non-combustable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Remove all sources of ignition.

Methods for Cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

Refer to sections 7, 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Avoid breathing vapours or mists. Do not eat, drink or smoke when using this product. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Never siphon by mouth. Ensure adequate ventilation.
Use of secondary containment is recommended i.e impermeable floors / surfaces which will help contain any spills.

7.2. Conditions for safe storage, including any incompatibilities
Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Store in accordance with local regulations.

7.3. Specific end use(s)
No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits
If vapours, fumes or mists are generated, their concentration in the workplace area should be kept to the lowest reasonable level. For substances.

Chemical Name	European Union	The United Kingdom	France	Germany	Austria
NAPHTHA (PETROLEUM) HYDROTREATED HEAVY				Peak: 100ppm Peak: 600mg/m^3 TWA: 50ppm TWA: 300mg/m^3	

Chemical Name	Spain	Portugal	Italy	The Netherlands	Switzerland
NAPHTHA (PETROLEUM) HYDROTREATED HEAVY					STEL: 100 ppm STEL: 600 mg/m^3 TWA: 50 ppm TWA: 300 mg/m^3

Chemical Name	Poland	Ireland
NAPHTHA (PETROLEUM) HYDROTREATED HEAVY	NDSCh: 900 mg/m^3 NDS: 300 mg/m^3	

8.2. Exposure controls
Engineering Measures
Local ventilation is suggested to control exposure from operations that can generate significant levels of vapour, mist or fumes.
Personal Protective Equipment
Use personal protection equipment as per Directive 89/686/EEC.
Respiratory Protection
In case of inadequate ventilation wear respiratory protection. Conforming to EN 14387 (organic vapours). Do not breathe vapours or spray mist.
Hand Protection
Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Solvent-resistant gloves (butyl-rubber). Fluorinated rubber. Polyvinyl alcohol. For break through times, refer to glove manufacturers recommendations.
Eye Protection
Safety glasses if the method of use presents the likelihood of eye contact. Approved to EN 166.
General hygiene considerations
Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practise. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
Information below relates to typical values and does not constitute a specification.

Appearance	Red Liquid	**Specific Gravity**	0.805
Physical State	Liquid	**Solubility**	Insoluble in water
Odour	Hydrocarbon	**Autoignition Temperature**	No information available.
pH	Not applicable.	**Viscosity**	< 7cst (40°C)
Melting Point/Range	No information available.	**Explosive properties**	No information available
Boiling Point/Range	230 °C	**Oxidizing Properties**	No information available.
Flash Point	62 °C	**VOC Content (%)**	99.8 %
Method	Closed cup		
Evaporation Rate	No information available.		
Flammability Limits in Air %			

Upper flammability limit:	7
Lower	0.6
Vapor Pressure	> 0.01 kPa
Vapor Density	No information available.

9.2. Other information
No other information available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity
Not considered as highly reactive. See further information below.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use.
10.4. Conditions to avoid
Heat, flames, and sparks.
10.5. Incompatible materials
Strong oxidising agents.
10.6. Hazardous decomposition products
None under normal storage conditions and use.
When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide,smoke and/or nitrogen oxide.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Product Information
The product itself has not been tested.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
NAPHTHA (PETROLEUM) HYDROTREATED HEAVY	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	

Sensitisation
No information available.
Skin contact
Prolonged contact will dry and defat the skin and may cause irritation such as itching and redness.
Inhalation
Inhalation of mists may result in irritation to the respiratory tract. May cause headaches, dizziness, drowsiness and nausea.
Ingestion
Aspiration into lungs on ingestion or vomitting may cause bronocopneumonia or pulmonary oedema which can be fatal.
Eye contact
May cause irritation as itching and redness.
Carcinogenicity
There are no known carcinogenic substances in this product.
Mutagenic Effects
There are no known mutagenic substances in this product.
Reproductive Effects
There are no known substances in this product with effects on reproduction.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity
Product Information
The product itself has not been tested.
Ecotoxicity effects
Contains substance(s) known to be hazardous to the aquatic environment.

Chemical Name	Toxicity to Fish	Water Flea	Toxicity to Algae
NAPHTHA (PETROLEUM) HYDROTREATED HEAVY	LC50 = 2200 mg/L Pimephales promelas 96 h		

12.2. Persistence and degradability
Inherently biodegradble to OECD 302 A-C.
12.3. Bioaccumulative potential
Bioaccumulation unlikely due to the high volatility of the product. Not likely to bioaccumulate. Component information below.
12.4. Mobility in soil
The product is insoluble and floats on water. This preparation is volatile and will readily evaporate to the air if released into the environment.
12.5. Results of PBT and vPvB assessment
The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

12.6. Other adverse effects
No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste from Residues / Unused Products
Dispose of in accordance with local regulations.
Contaminated Packaging
Empty containers should be taken for local recycling, recovery or waste disposal. Recycle according to official regulations. For empty containers - Do not weld, solder, braze, grind etc.. Do not expose to heat, flames, sparks or other sources of ignition.
EWC waste disposal No
The following EWC/ AVV waste codes may be applicable:
11 01 13* degreasing wastes containing dangerous substances
14 06 03* other solvents and solvent mixtures
Other Information
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

SECTION 14. TRANSPORT INFORMATION

14.1, 14.2, 14.3, 14.4.
Not classified for transport as dangerous goods

14.5. Environmental hazards
The mixture is not environmentally hazardous for transport
14.6. Special precautions for user
No special precautions.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Packaged product, not typically transported in IBC's.
Additional information
The above information is based on latest transport regulations i.e. ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.
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15.2. Chemical safety assessment
No chemical safety assessment has been carried out for this mixture by the supplier

SECTION 16. OTHER INFORMATION

Text of H statements mentioned in Section 3
H304 - May be fatal if swallowed and enters airways.
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]
On the basis of test data. H304 - May be fatal if swallowed and enters airways.
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CLP update. SDS sections updated 2 15 3 16

Abbreviations
REACH: Registration Evaluation Authorisation Restriction of Chemicals
EU: European Union
EC: European community
EEC: European Economic Community
UN: United Nations
CAS: Chemical Abstracts Service
PBT: Persistent Bioaccumulative Toxic
vPvB: very Persistent very Bioaccumulative
LC50: Lethal concentration, 50 percent
LD50 : Lethal dose, 50 percent
EC50: Effective concentration, 50 percent
LogPow: LogP octanol/water
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)
WGK: Wassergefahrdungsklasse (Water Hazard Class - Germany).
AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)
ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)

IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
RID: Reglement international concernant le transport des merchandises dangereuses par chemin der fer (Regulations concerning the International carriage of Dangerous goods by rail)
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
ERG: Emergency Response Guidebook
IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances
GHS: Globally Harmonised System of classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
VOC: Volatile Organic Chemical
w/w: weight for weight
DMSO: Dimethyl sulphoxide
OECD: Organization for Economic Cooperation and Development
STEL: Short Term Exposure Limit
TWA: Time Weighted Average

Further Information

Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature sources e.g. IUCLID / RTECS
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet