SAFETY DATA SHEET

Issued: 08/03/2022
Revision No.1
GB Regulation S.I. 2020 No. 1577

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

1.1 Product Identifier
Material name : NAPA ENGINE DEGREASER 500ML NMS6500

1.2 Relevant identified uses of the substance or mixture and uses advised against
Product use : Solvent Cleaner

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier: NAPA
2, Eskan Court,
Campbell Park,
Milton Keynes
MK9 4AN

Tel: +44 (0) 3333 136 597

1.4 Emergency tel no: +44 (0) 3333 136 597 (office hours only)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
According to GB Classification, Labelling and Packaging of Substances and Mixtures Regulation (CLP):

Physical and Chemical Hazards	Aerosol Category 1; H222; H229
Human health	Eye Irrit.2; H319; STOT SE3; H336; EUH066
Environment	Not classified.

2.2 Label elements
Labelling according to GB CLP:

Signal word: Danger **Contains:** Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclics, <2% aromatics
Hazard Pictogram(s):


Hazard Statements:	H222	Extremely flammable aerosol.
	H229	Pressurised container: May burst if heated.
	H319	Causes serious eye irritation
	H336	May cause drowsiness or dizziness.
Supplementary Hazard Statements	EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary Statements:	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211	Do not spray on an open flame or other ignition source.
	P251	Do not pierce or burn, even after use.
	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C.

Precautionary Statements (continued):

P261	Avoid breathing vapour/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with local/national regulations.

2.3 Other hazards In use, may form flammable / explosive vapour-air mixture.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

Chemical Name	CAS No./ EC No./ Reg. No	Classification (CLP)	Content
HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	64742-48-9 919-857-5 01-2119463258-33-xxxx	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE3; H336 EUH066	60-70%
LIQUEFIED PETROLEUM GAS (contains <0.1% 1,3-butadiene)	68476-85-7 270-704-2	Flam.Gas 1; H220 Gas under pressure; H280	30-40%
4-NONYLPHENOL BRANCHED, ETHOXYLATED	127087-87-0 932-098-4 -	Ac.Tox.4; H302+H332 Eye.Dam.1; H318 Aq.Chron.2; H411	1-5%
BENZENESULFONIC ACID, 4-C10-13-SEC ALKYL DERIVS., COMPDS. WITH 2-PROPANAMINE	84961-74-0 284-664-9 01-2119985163-33-0000	Sk.Irrit.2; H315 Eye Irrit.2; H319 Aq.Chron.3; H412	1-5%

Substance classifications are taken from the GB Mandatory Classification and Labelling (MCL) list, or if absent, from supplier's information.

See Section 16 for the full text of the H-statements noted above.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Skin contact: Wash with soap and water. Seek medical advice if irritation develops.

Eye contact: Rinse with water for 10 minutes and seek immediate medical attention.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

Inhalation: Remove to fresh air. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: May cause eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed: See eye contact information above.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide; dry chemical powder; alcohol or polymer foam.
Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: Irritating/toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.

Further information: Standard procedure for chemical fires. Use water spray to cool containers.
Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

6.3 Methods and materials for containment and cleaning up

Wipe up liquid spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

6.4 References to other sections: See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid breathing spray mist. Avoid contact with skin and eyes. Handle with care.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area, below 50°C. Protect from frost, heat and sunlight. Keep away from food, drink and animal feed.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Chemical name	8hr TWA	15min STEL	Reference
Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclics, <2% aromatics	1000 mg/m^3 /150 ppm	-	UK SIA
Liquefied petroleum gas	1750 mg/m^3/1000 ppm	2810 mg/m^3/1250 ppm	EH40/2005

DNEL:

DNEL (workers)	Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclics, <2% aromatics	Benzenesulfonic acid, 4-C10-13-sec alkyl derivs., compds. with 2-propanamine	Reference
Chronic systemic effects (dermal)	300 mg/kg	0.94 mg/kg/day	Manufacturer
Chronic systemic effects (inhalation)	1500 mg/m^3	3.33 mg/m^3	Manufacturer

DNEL (consumers)	Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclics, <2% aromatics	Benzenesulfonic acid, 4-C10-13-sec alkyl derivs., compds. with 2-propanamine	Reference
Chronic systemic effects (dermal)	300 mg/kg	0.47 mg/kg/day	Manufacturer
Chronic local effects (inhalation)	900 mg/m^3	0.82 mg/m^3	Manufacturer
Chronic systemic effects (oral)	300 mg/kg	0.47 mg/kg/day	Manufacturer

PNEC:

Environment	Benzenesulfonic acid, 4-C10-13-sec alkyl derivs., compds. with 2-propanamine
Aquatic Compartment	
Fresh water	0.268 mg/l
Marine water	0.0268 mg/l
Water-intermittent (sporadic) release	0.268 mg/l
Dry Sediment – fresh water	8.1 mg/kg
Dry Sediment – marine water	8.1 mg/kg
Terrestrial Compartment	
Sewage Treatment Plant (STP)	1.67 mg/l
Soil	35 mg/kg

The hydrocarbon solvent is a hydrocarbon with a complex, unknown or variable composition (UVCB). Conventional methods of deriving PNECs are not appropriate and it is not possible to identify a single representative PNEC for such substances.

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection: If Workplace Exposure Limit(s) listed above are exceeded, respiratory protection may be required, in which case use a respirator fitted with an organic vapour filter.

Hand protection: Protective gloves; check with glove manufacturer for specific advice.

Eye protection: Tightly-fitting safety goggles.

Skin and body protection: Protective overalls.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour	Aerosol, emitting colourless spray.
Odour	Characteristic
Odour Threshold	No data available
Flammability	Extremely flammable
Flash point	<0°C
Lower explosion limit	0.6%
Upper explosion limit	9.0%
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	No data available
Oxidising properties	Non-oxidising
Solubility in water	Emulsifiable
Solubility in other solvents	Not determined
pH	Not applicable
Melting point/range	No data available
Boiling point/range	No data available
Relative density	No data available
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	No data available
Evaporation rate	No data available

9.2 Other information No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity	Generally non-reactive.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None if stored and used as directed.
10.4 Conditions to avoid	None known.
10.5 Incompatible materials	Strong acids. Strong alkalis. Strong oxidising agents.
10.6 Hazardous decomposition products	Oxides of carbon. Oxides of nitrogen. Oxides of sulfur.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity Based on available data the classification criteria are not met.

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	>5000 mg/kg (Rat)	No data available	>3000 mg/kg (Rabbit)
LIQUEFIED PETROLEUM GAS	Not applicable	>20mg/l (Rat) 4h	Not applicable
4-NONYLPHENOL BRANCHED, ETHOXYLATED	960-3980 mg/kg (Rat)	1.15 mg/l (Rat 4h dust/mist)	2000-2991 mg/kg (Rabbit)
BENZENESULFONIC ACID, 4-C10-13-SEC ALKYL DERIVS., COMPDS. WITH 2-PROPANAMINE	>2000 mg/kg (Rat)	No data available	No data available

Skin corrosion/irritation: Classified as EUH066: Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation: Classified as H319: Causes serious eye irritation

Respiratory or skin sensitisation: Based on available data the classification criteria are not met.

Repeated dose toxicity: Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

Mutagenicity: Based on available data the classification criteria are not met.

Toxicity for reproduction: Based on available data the classification criteria are not met.

Specific target organ toxicity (STOT): Classified as H336: May cause drowsiness or dizziness.

Further information The product as a whole may cause irritation of skin, eyes, nose and upper respiratory tract if exposed to high levels of spray mist.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	Daphnia Fish Algae	LL/EL/IL50 LL/EL/IL50 LL/EL/IL50	Expected to be not toxic at limit of water solubility
4-NONYLPHENOL BRANCHED, ETHOXYLATED	Daphnia Fathead minnow Bacteria	LC50 48h LC50 96h IC50 16h	9.3-21.4 mg/l 3.8-6.2 mg/l >1000 mg/l

Physical properties indicate that petroleum gases will rapidly volatilise from the aquatic environment and that acute and chronic effects would not be observed in practice.

12.2 Persistence and degradability Expected to be mainly biodegradable.

12.3 Bioaccumulative potential 4-Nonylphenol branched, ethoxylated:
Bioconcentration Factor (BCF): 5.9-48 (Fish, estimated)
Partition coefficient: n-octanol/water (logPow): 2.1-3.4, calculated

12.4 Mobility in soil Partially soluble in water.

12.5 Results of PBT and vPvB assessment Contains no PBT or vPvB substances.

12.6 Other adverse effects May be harmful to aquatic life if discharged in large quantities into water courses.

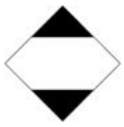
13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Dispose of in accordance with local and national regulations.
Contact licensed waste disposal company. Most aerosols can be recycled.
Do not pierce or burn or use a cutting torch on the empty aerosol container.

14. TRANSPORT INFORMATION

General Information: The UN number for all aerosols is 1950. Aerosols packed in fibreboard cartons up to 30 kg gross weight, or shrink/stretch wrapped onto trays up to 20 kg gross weight may be transported as Limited Quantities, and should display the following symbol on the pack:



The following information relates to all other aerosols not transported as Limited Quantities:

14.1 UN number	ADR/RID/ADN; IMDG; ICAO	1950
14.2 UN proper shipping name	AEROSOLS	
14.3 Transport hazard class(es)	ADR/RID/ADN Class	2, 5F
	ADR/RID/ADN Class	Class 2, Gases
	ADR Label No.	2.1
	IMDG Class	2
	ICAO Class/Division	2
	ICAO Subsidiary risk	2.1
	Transport labels	
14.4 Packing Group	ADR/RID/ADN; IMDG; ICAO	Not applicable for aerosols
14.5 Environment hazards	Marine Pollutant	Not applicable for aerosols.
14.6 Special precautions for user	EMS	F-D, S-U
	Tunnel restriction code	(D)

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for aerosols.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

UK Regulatory References
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

GB MCL (Mandatory Classification and Labelling).

Statutory Instruments
The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

S.I. 2020 No. 1577: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020**.**

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

Chemical Safety Assessments/Reports (CSA/CSR) are not required for mixtures.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with the requirements of the UK REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020. (S.I. 2020 No. 1577).

Classification and procedure used to derive the classification for mixtures according to GB CLP:

Physical hazards:	On basis of test data/Expert judgement.
Health hazards:	Calculation method
Environmental hazards:	Not applicable – Not classified

Full text of H-statements referred to under sections 2 and 3

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long-lasting effects
H412	Harmful to aquatic life with long-lasting effects
EUH066	Repeated exposure may cause skin dryness or cracking.

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.
STOT: Single Target Organ Toxicity (Section 2;11)
SE: Single exposure (Section 2)
DNEL: Derived no effect level – a level above which humans should not be exposed. (Section 8).
PNEC: Predicted No Effect Concentration (Section 8).
TWA: Time-weighted average. (Section 8).
STEL: Short-term exposure limit. (Section 8).
PBT: Persistent, Bioaccumulative, Toxic. (Section 12).
vPvB: very Persistent and very Bioaccumulative. (Section 12).

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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