SAFETY DATA SHEET

According to EC Regulation 1907/2006/EC - revision 2020/878

Revision No. 4.6

Print Date 19/02/2026 **Creation Date** 02/02/2015 **Revision date** 30/01/2026

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

1.1. Product identifier

Product Name: K NATE AEROSOL
Product Code: 1198G
UFI: 9V93-50DY-A00R-977N

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

Recommended use

Lubricant.

1.3. Details of the supplier of the safety data sheet

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

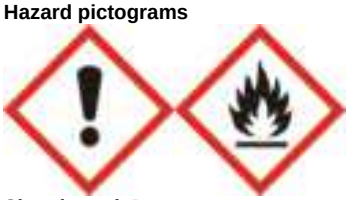
Aerosols: Category 1
Skin irritation: Category 2
STOT- single exposure: Category 3
Aquatic chronic: Category 3
H222 - Extremely flammable aerosol
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H412 - Harmful to aquatic life with long lasting effects
H229 - Pressurised container: May burst if heated

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

Contains Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane.

Hazard pictograms



Signal word Danger

Hazard statements

H222 - Extremely flammable aerosol
H315 - Causes skin irritation
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Precautionary statements

P312 - Call a POISON CENTER or doctor if you feel unwell
P273 - Avoid release to the environment
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
P271 - Use only outdoors or in a well-ventilated area
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C
P260 - Do not breathe mist/spray.
P280 - Wear protective gloves and eye/face protection
Keep out of reach of children
For industrial and institutional use only.

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.
The product does not contain substances that have been identified as an endocrine disruptor (REACH - Article 57(f))

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2 Mixture

Chemical name	CAS No.	EC No (EU Index No)	EU - REACH reg number	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Notes
BUTANE	106-97-8	203-448-7	01-2119474691-32	25 - < 50	Press. Gas (H280) Flam. Gas 1 (H220)	K
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	NOT KNOWN	921-024-6	01-2119475514-35	20 - < 25	Flam. Liq. 2 (H225) Skin Irrit. 2 (H315) Asp. Tox. 1 (H304) STOT SE 3 (H336) Aquatic Chronic 2 (H411)	
PROPANE	74-98-6	200-827-9	01-2119486944-21	10 - < 20	Press. Gas (H280) Flam. Gas 1 (H220)	K
LUBRICATING OILS	74869-22-0	278-012-2	01-2119495601-36	5 - < 10	-	L

For any H statements mentioned in this section, see the full text in section 16.
EU Notes
Note L - The classification as a carcinogen does not apply as the substance contains less than 3% DMSO extract (IP 346)
Note K - The classification as a carcinogen or mutagen does not apply as the substance contains less than 0.1% w/w 1,3-butadiene

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures
General advice
Avoid breathing vapours or mists. If symptoms persist, call a doctor.
Eye Contact
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Skin Contact
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Do not use solvents or thinners. If skin irritation persists, call a doctor.
Ingestion
Do NOT induce vomiting. Rinse mouth with water. If swallowed, seek medical advice immediately and show this container or label.
Inhalation
If exposed to high concentrations of the aerosol vapours, move to fresh air. If symptoms persist, call a doctor.

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
Unlikely to be irritant on brief or occasional exposure.
Inhalation
May cause headaches, dizziness, drowsiness and nausea.

4.3. Indication of any immediate medical attention and special treatment needed
Notes to physician
Treat symptomatically.

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. Carbon dioxide (CO2). 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
Pressurized container. Extremely flammable. Keep product and empty container away from heat and sources of ignition. Material can create slippery conditions. Thermal decomposition can lead to release of irritating gases and vapours.

5.3. Advice for firefighters
Firefighters should wear a self-contained breathing apparatus and full protective gear. Cool fire-exposed containers with water spray to prevent bursting.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Ventilate the area. Due to the nature of the aerosol packaging, a large spill is unlikely. For a small spill, wear appropriate protective clothing, ventilate the area, absorb with an inert material and transfer all material into a properly labeled container for disposal. Use care as spills may be slippery. Avoid contact with skin, eyes, and clothing. Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so.

6.2. Environmental precautions
Prevent product from entering drains. 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-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). If using a cloth to wipe up a small spillage, properly dispose of the used cloth to avoid a fire risk.
Methods for Cleaning up
For the non volatile residues:. 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 contact with skin, eyes and clothing. 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. Ensure adequate ventilation.
Avoid breathing vapours or mists.

7.2. Conditions for safe storage, including any incompatibilities
For safety reasons in case of fire, cans should be stored separately in closed containments. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

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
BUTANE		STEL: 750 ppm STEL: 1810 mg/m^3 TWA: 600 ppm TWA: 1450 mg/m^3	VME: 800 ppm VME: 1900 mg/m^3	AGW: 1000 ppm AGW: 2400 mg/m^3 Spitzenbegr.: 4000 ppm Spitzenbegr.: 9600 mg/m^3 MAK: 1000 ppm MAK: 2400 mg/m^3	STEL: 1600 ppm STEL: 3800 mg/m^3 TWA: 800 ppm TWA: 1900 mg/m^3
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	TWA: 1200 mg/m³				
PROPANE				AGW: 1000 ppm AGW: 1800 mg/m^3 Spitzenbegr.: 4000 ppm Spitzenbegr.: 7200 mg/m^3 MAK: 1000 ppm MAK: 1800 mg/m^3	STEL: 2000 ppm STEL: 3600 mg/m^3 TWA: 1000 ppm TWA: 1800 mg/m^3

Chemical name	Spain	Portugal	Italy	The Netherlands	Switzerland
BUTANE	TVA: 1000 ppm	TWA: 1000 ppm			STEL: 3200 ppm STEL: 7200 mg/m^3 TWA: 800 ppm TWA: 1900 mg/m^3 TWA: 1000 ppm

PROPANE	TVA: 1000 ppm	TWA: 1000 ppm			STEL: 4000 ppm STEL: 7200 mg/m^3 TWA: 1000 ppm TWA: 1800 mg/m^3

Chemical name	Denmark	Finland	Norway	Sweden	Czech
BUTANE	TWA: 500 ppm TWA: 1200 mg/m^3	HTP (8h): 800 ppm HTP (8h): 1900 mg/m^3 HTP (15min): 1000 ppm HTP (15min): 2400 mg/m^3	TWA: 250 ppm TWA: 600 mg/m^3		
PROPANE	TWA: 1000 ppm TWA: 1800 mg/m^3	HTP (8h): 800 ppm HTP (8h): 1500 mg/m^3 HTP (15min): 1100 ppm HTP (15min): 2000 mg/m^3	TWA: 500 ppm TWA: 900 mg/m^3		

Chemical name	Poland	Ireland
BUTANE	NDSCh: 3000 mg/m^3 NDS: 1900 mg/m^3	TWA: 1000 ppm STEL: 3000 ppm
PROPANE	NDS: 1800 mg/m^3	STEL: 3000 ppm

DNEL (Derived No-Effect Level)

Chemical name	EU - REACH (1907/2006) - DNEL	EU - REACH (1907/2006) - DNEL	EU - REACH (1907/2006) - DNEL	EU - REACH (1907/2006) - DNEL
LUBRICATING OILS	general population workers general population workers workers	oral dermal inhalation inhalation inhalation	long term exposure - systemic effects long term exposure - systemic effects long term exposure - local effects long term exposure - systemic effects long term exposure - local effects	0.74 mg/kg bw/day 0.97 mg/kg bw/day 1.19 mg/m^3 2.73 mg/m^3 5.58 mg/m^3

PNEC (Predicted No-Effect Concentration)

Chemical name	EU - REACH (1907/2006) - PNEC	EU - REACH (1907/2006) - PNEC
LUBRICATING OILS	food chain	9.33 mg/kg food

8.2. Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Use personal protection equipment as per Regulation (EU) 2016/425.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Conforming to EN 14387 (organic vapours).

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Solvent-resistant gloves (butyl-rubber). Nitrile rubber (0.4 mm). Neoprene gloves (0.4 mm). Suitability and durability of a glove is dependent upon usage factors such as frequency, duration of use, temperature and chemical resistance. The use of a chemical-protective glove may in practice be much shorter than the permeation time determined through testing. 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 practice. 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	Blue green
Odour	Petroleum distillates
Physical state	Grease
pH	Not applicable
Flash Point	< -50 °C
Specific gravity	0.66
Viscosity	Very viscous
Solubility(ies)	Insoluble in water
Autoignition Temperature	No data available
Decomposition temperature	No information available
Boiling Point/Range	-5 °C
Melting Point/Range	No information available
Flammability Limits in Air %	No information available
Evaporation Rate	No information available

Vapour pressure	No information available
Relative vapour density	No information available
Explosive properties	No information available
Oxidising Properties	No information available
VOC content	76 %

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
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from open flames, hot surfaces, and sources of ignition.
10.5. Incompatible materials
Strong oxidising agents.
10.6. Hazardous decomposition products
None under normal storage conditions and use.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Product Information
The product itself has not been tested.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
BUTANE			= 658 g/m^3 (Rat) 4 h
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	> 5840 mg/kg (Rat)	> 2920 mg/kg (Rat) 24h	> 25200 mg/m^3(vapour)(Rat) 4h
PROPANE			> 800000 ppm (Rat) 15 min
LUBRICATING OILS	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 20 mg/L (Rat)

Sensitisation
No information available.
Skin contact
Unlikely to be irritant on brief or occasional exposure.
Inhalation
May cause headaches, dizziness, drowsiness and nausea.
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.
STOT - single exposure
STOT- single exposure: Category 3
STOT - repeated exposure
Based on available data, the classification criteria are not met
Aspiration hazard
Based on available data, the classification criteria are not met

11.2 Information on Other Hazards
The product does not contain substances that have been identified as an endocrine disruptor (REACH - Article 57(f))

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	Crustacea	Toxicity to Algae
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	LL50 (96h) = 11.4 mg/l(Oncorhynchus mykiss - OECD 203) NOELR (28d) = 2.04 mg/l (Oncorhynchus mykiss - QSAR Petrotox)	NOEL (72 h) = 3 mg/l(Pseudokirchneriella subcapitata - growth rate - OECD 201) NOEL (72 h) = 3 mg/l(Pseudokirchneriella subcapitata - biomass -OECD 201)	ErL50 (72h) = 30-100 mg/l(Pseudokirchneriella subcapitata - OECD 201) EbL50 (72h) = 10-30 mg/l(Pseudokirchneriella subcapitata - OECD 201) NOEL (72 h) = 3 mg/l

		NOELR (21d) = 1 mg/l(Daphnia magna - OECD 211)	(Pseudokirchneriella subcapitata - growth rate - OECD 201) NOEL (72 h) = 3 mg/l(Pseudokirchneriella subcapitata - biomass - OECD 201)
LUBRICATING OILS	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	1000: 48 h Daphnia magna mg/L EC50	

12.2. Persistence and degradability
Ecotoxicological properties are substance specific, i.e. bioaccumulation, persistence and degradability. The information is given, where available and appropriate, for substance(s) of the mixture.
12.3. Bioaccumulative potential
Bioaccumulation unlikely due to the high volatility of the product. Component information below.

Chemical name	Partition coefficient
BUTANE	2.89
PROPANE	2.3

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 Endocrine disrupting properties
The product does not contain substances that have been identified as an endocrine disruptor (REACH - Article 57(f))
12.7 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
Do not expose to heat, flames, sparks or other sources of ignition. Do not pierce or burn, even after use. Empty containers should be taken for local recycling, recovery or waste disposal.
EWC waste disposal No
The following EWC/ AVV waste codes may be applicable:
16 05 04* gases in pressure containers (including halons) containing dangerous substances
15 01 10* packaging containing residues of or contaminated by dangerous substances
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.

IMDG
- **UN number or ID number** UN1950
- **UN proper shipping name** Aerosols, Flammable
- **Transport hazard class(es)** 2.1
- **EmS-No** F-D, S-U

ADR / RID
- **UN number or ID number** UN1950
- **Transport hazard class(es)** 2.1
- **Classification code** 5F
- **Limited Quantity** 1 L
- **Transport Cat. (Tunnel Restriction Code)** 2 (D)

IATA/ICAO
- **UN number or ID number** UN1950
- **Transport hazard class(es)** 2.1
- **ERG Code** 10P

14.5. Environmental hazards
The mixture is not environmentally hazardous for transport
14.6. Special precautions for user
No special precautions.
14.7 Maritime transport in bulk according to IMO instruments
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.

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
H220 - Extremely flammable gas. H304 - May be fatal if swallowed and enters airways. H225 - Highly flammable liquid and vapour. H315 - Causes skin irritation. H336 - May cause drowsiness or dizziness. H411 - Toxic to aquatic life with long lasting effects.
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]
On the basis of test data. H222 - Extremely flammable aerosol. Calculation method. H336 - May cause drowsiness or dizziness. Summation method. H412 - Harmful to aquatic life with long lasting effects. H315 - Causes skin irritation.
Prepared By AP
Creation Date 02/02/2015
Revision date 30/01/2026
Revision summary
CLP update. SDS sections updated 2 3 16 8

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