SAFETY DATA SHEET

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

Revision No. 1.7

Print Date 07/02/2025 **Creation Date** 16/01/2019 **Revision date** 31/12/2024

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

1.1. Product identifier

Product Name: HOC XTREME 68
Product Code: 2497G

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.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

This mixture is not classified according to EU Regulation No 1272/2008

2.2. Label elements

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

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
LUBRICATING OILS	74869-22-0	278-012-2	01-2119495601-36	50 - 100	-	L
Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide (Mo03)	445409-27-8	430-380-7		< 0.3	Aquatic Chronic 2 (H411)	

For any H statements mentioned in this section, see the full text in section 16. This mixture contains substances with a Community workplace exposure limit.

EU Notes

Note L - The classification as a carcinogen does not apply as the substance contains less than 3% DMSO extract (IP 346)

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Get medical attention immediately if symptoms occur.

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. Get medical attention if irritation develops and persists.

Ingestion
Do NOT induce vomiting. Rinse mouth with water. If swallowed, seek medical advice immediately and show this container or label.

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.

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:. Carbon dioxide (CO2). Foam. Dry powder. Water. Dry chemical. Alcohol-resistant foam.
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.
Material can create slippery conditions.

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. Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

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
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. Ensure adequate ventilation.

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.

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	Denmark	Finland	Norway	Sweden	Czech

Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide (Mo03)					PEL: 5mg/m^3 NPK-P: 25mg/m^3

Chemical name	Poland	Ireland
Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide (Mo03)	NDS: 4 mg/m^3	

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
Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide (Mo03)	general population general population workers general population workers	dermal oral dermal inhalation inhalation	long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects	0.25 mg/kg bw/day 0.25 mg/kg bw/day 0.5 mg/kg bw/day 0.87 mg/m^3 3.53 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
Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide (Mo03)	freshwater marine water freshwater (intermittent releases) sediment (freshwater) sediment (marine water) sewage treatment soil	0.047 mg/L 0.0047 mg/L 0.047 mg/L 0.709 mg/kg sediment dw 0.0709 mg/kg sediment dw 10 mg/L 1 mg/kg soil dw

8.2. Exposure controls

Engineering Measures

General ventilation is normally adequate.

Personal Protective Equipment

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

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Conforming to EN 143 - P2 / P3 Particle filters.

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Neoprene gloves (0.4 mm). Nitrile rubber (0.4 mm). Solvent-resistant gloves (butyl-rubber). 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	Clear, amber colored
Odour	Oily
Physical state	Liquid
pH	Not applicable
Flash Point	> 230 °C
Specific gravity	0.88
Viscosity	68 cSt @ 40ºC
Solubility	Insoluble in water
Autoignition Temperature	No information available
Decomposition temperature	No information available
Boiling Point/Range	No information available
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	0

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
No conditions to be specially mentioned.
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 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
LUBRICATING OILS	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 20 mg/L (Rat)
Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide (Mo03)		> 2 g/kg (Rabbit)	

Sensitisation
No information available.
Skin contact
Unlikely to be irritant on brief or occasional exposure.
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
Based on available data, the classification criteria are not met
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.

Chemical name	Toxicity to Fish	Crustacea	Toxicity to Algae
LUBRICATING OILS	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	1000: 48 h Daphnia magna mg/L EC50	
Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide (Mo03)	LC50 > 10 mg/L Oncorhynchus mykiss 96 h		

12.2. Persistence and degradability

Persistence and degradability are substance specific, no test data is available on the constituents of this mixture to degrade or persist in the environment, either through biodegradation or other processes, such as oxidation or hydrolysis.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

The product is insoluble and floats on water.

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

Empty containers should be taken for local recycling, recovery or waste disposal. Empty remaining contents. Prevent product from entering drains. Recycle according to official regulations.

EWC waste disposal No

The following EWC/ AVV waste codes may be applicable:
13 01 10* mineral based non-chlorinated hydraulic oils

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 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

H411 - Toxic to aquatic life with long lasting effects.

Prepared By Adela Smetanova
Creation Date 16/01/2019
Revision date 31/12/2024
Revision summary

SDS sections updated : 9

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

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End of Safety Data Sheet