SAFETY DATA SHEET FULL BACK C

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

Revision No. 3.1

Print Date 11/06/2017 **Creation Date** 02/02/2015 **Revision Date** 30/05/2017

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

1.1. Product identifier

Product Name	FULL BACK C
Product Code	11004184X1 (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

01902 510331 (available during Office Hours)

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
Skin sensitisation: Category 1
Serious damage to eyes: Category 1
Aquatic chronic: Category 2
H304 - May be fatal if swallowed and enters airways
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H411 - Toxic to aquatic life with long lasting effects

2.2. Label elements

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

Contains HYDROCARBONS, C12-C15, ALKANES & Alcohols, C12-C15, ethoxylated & CITRUS TERPENES.

Hazard pictograms

Signal word DANGER

Hazard Statements

H304 - May be fatal if swallowed and enters airways
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P331 - Do NOT induce vomiting
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P273 - Avoid release to the environment
P261 - Avoid breathing vapors.
P280 - Wear protective gloves/protective clothing/eye protection.
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

Component	CAS-No.	EC No.	EU - REACH reg number	Weight percent	EU - GHS/CLP Classification	Notes
HYDROCARBONS, C12-C15, ALKANES	64742-47-8	265-149-8	01-2119456620-43	50 - 100	Asp. Tox. 1 (H304)	
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	252-104-2	01-2119450011-60	10 - < 20	-	
CITRUS TERPENES	8028-48-6	232-433-8	-	5 - < 10	Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	C
C12- C13 PRIMARY ALCOHOL BLEND	67762-41-8	267-019-6	-	3 - < 5	Aquatic Acute 1 (H400)	
Alcohols, C12-C15, ethoxylated	68131-39-5	500-195-7	01-2119488720-33	3 - < 5	Aquatic Acute 1 (H400) Eye Dam. 1 (H318)	

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

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists.

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

Rinse mouth with water. Do NOT induce vomiting. Get medical attention immediately.

Inhalation

Remove from the area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult. If exposed to high concentrations of the vapours / mists, move to fresh air.

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

Sensitisation

May cause sensitisation by skin contact.

Eye contact

May cause burns which could lead to permanent eye damage.

Skin contact

May cause irritation as itching or redness.

Inhalation

Inhalation of mists may result in irritation to the respiratory tract.

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

Notes to physician

Causes eye burns.

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:. Foam. Dry powder. Carbon dioxide (CO2). Water spray.

Extinguishing media which must not be used for safety reasons

Water jet. Do not use a solid water stream as it may scatter and spread fire.

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. Possibility of harm to the aquatic life. Avoid release into the environment.

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. Ventilate the area.

6.2. Environmental precautions
Avoid release of neat product into surface water and sanitary sewage system. Local authorities should be advised if significant spillages cannot be contained.

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).
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.
Anyone with a history of skin sensitization to any of the substances in this product, should refrain from handling.

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.

Component	European Union	The United Kingdom	France	Germany	Austria
HYDROCARBONS, C12-C15, ALKANES				Peak: 40ppm Peak: 280mg/m^3 TWA: 20ppm TWA: 140mg/m^3	
DIPROPYLENE GLYCOL METHYL ETHER		STEL: 150 ppm STEL: 924 mg/m^3 TWA: 50 ppm TWA: 308 mg/m^3 Skin	TWA: 50 ppm TWA: 308 mg/m^3 Skin	AGW: 50ppm AGW: 310mg/m^3 Peak: 50ppm Peak: 310mg/m^3 TWA: 50ppm TWA: 310mg/m^3	Skin STEL: 100 ppm STEL: 614 mg/m^3 TWA: 50 ppm TWA: 307 mg/m^3

Component	Spain	Portugal	Italy	The Netherlands	Switzerland
DIPROPYLENE GLYCOL METHYL ETHER	Skin TWA: 50 ppm TWA: 308 mg/m^3	TWA: 50 ppm TWA: 308 mg/m^3 Skin	TWA: 50 ppm TWA: 308 mg/m^3 Skin	TWA: 300 mg/m^3	STEL: 50 ppm STEL: 300 mg/m^3 TWA: 50 ppm TWA: 300 mg/m^3

Component	Denmark	Finland	Norway	Sweden	Czech
DIPROPYLENE GLYCOL METHYL ETHER	TWA: 50 ppm TWA: 309 mg/m^3 Skin	TWA: 50 ppm TWA: 310 mg/m^3 Skin	TWA: 50 ppm TWA: 300 mg/m^3 Skin	50 ppm 300 mg/m^3 75 ppm 450 mg/m^3	PEL: 270mg/m^3 NPK-P: 550mg/m^3

Component	Poland	Ireland
DIPROPYLENE GLYCOL METHYL ETHER	NDSCh: 480 mg/m^3 NDS: 240 mg/m^3	TWA: 50 ppm TWA: 308 mg/m^3 STEL: 150 ppm STEL: 924 mg/m^3 Skin

8.2. Exposure controls

Control parametres

Provide an eyewash station. Provide washing facilities.

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Use personal protection equipment as per Directive 89/686/EEC.

Respiratory Protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Conforming to EN 141 (organic vapours).

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Solvent-resistant gloves (butyl-rubber). Fluorinated rubber. Polyvinyl alcohol. Breakthrough time of the glove material (protective index 6, breakthrough time: >480 min). For break through times, refer to glove manufacturers recommendations.

Eye Protection

Safety glasses with side-shields. Approved to EN 166. For large volumes, faceshields should be used.

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.

Environmental exposure controls

Local authorities should be advised if significant spillages cannot be contained.

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	Light yellow	**Specific Gravity**	0.825
Physical State	Liquid	**Solubility**	Soluble in water
Odour	Citrus	**Autoignition Temperature**	No information available.
pH	Not applicable.	**Viscosity**	< 7cst (40°C)
Melting Point/Range	-10 °C	**Explosive properties**	No information available
Boiling Point/Range	200 °C	**Oxidizing Properties**	No information available.
Flash Point	> 61 °C	**VOC Content (%)**	85 %
Method	Closed cup		
Evaporation Rate	No information available.		
Flammability Limits in Air %	No information available.		
Vapour 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

Keep away from open flames, hot surfaces, and sources of ignition.

10.5. Incompatible materials

Oxidising agents. Reducing agents. Strong acids. Strong bases.

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.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
HYDROCARBONS, C12-C15, ALKANES	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
DIPROPYLENE GLYCOL METHYL ETHER	= 5230 mg/kg (Rat)	= 9500 mg/kg (Rabbit)	
C12- C13 PRIMARY ALCOHOL BLEND	> 10000 mg/kg (Rat)	> 11300 mg/kg (Rabbit)	
Alcohols, C12-C15, ethoxylated	= 1600 mg/kg (Rat)	= 2500 mg/kg (Rabbit)	

Sensitisation
May cause sensitisation by skin contact.
Skin contact
May cause irritation as itching or redness.
Inhalation
Inhalation of mists may result in irritation to the respiratory tract.
Eye contact
May cause burns which could lead to permanent eye damage.
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.

Component	Toxicity to Fish	Water Flea	Toxicity to Algae
HYDROCARBONS, C12-C15, ALKANES	LC50 = 45 mg/L Pimephales promelas 96 h LC50 = 2.2 mg/L Lepomis macrochirus 96 h LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h		
DIPROPYLENE GLYCOL METHYL ETHER	LC50 > 10000 mg/L Pimephales promelas 96 h	1919: 48 h Daphnia magna mg/L LC50	

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
Component information below.

Component	log Pow
DIPROPYLENE GLYCOL METHYL ETHER	-0.064

12.4. Mobility in soil
Soluble in 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. 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 remaining contents. Empty containers should be taken for local recycling, recovery or waste disposal. Recycle according to official regulations.
EWC waste disposal No
The following EWC/ AVV waste codes may be applicable:
14 06 03* other solvents and solvent mixtures
07 07 04* other organic solvents, washing liquids and mother liquors
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/IMO

UN-No	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class	9
Packing Group	III
EmS	F-A, S-F

ADR / RID

UN-No	UN3082
Hazard Class	9
Packing Group	III
Classification Code	M6
Limited Quantity	5 L
Transport Cat. (Tunnel Restriction Code)	3 (E)

IATA/ICAO

UN-No	UN3082
Hazard Class	9
Packing Group	III
ERG Code	9L

14.5. Environmental hazards

The mixture is environmentally hazardous for transport

Product is a marine pollutant according to the criteria set by IMDG/IMO

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.

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

H226 - Flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H400 - Very toxic to aquatic life. H410 - Very 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. H304 - May be fatal if swallowed and enters airways. Calculation method. H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. Summation method. H411 - Toxic to aquatic life with long lasting effects.

Prepared By Austen Pimm

Creation Date 02/02/2015

Revision Date 30/05/2017

Revision summary

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