# **Northfork Fabric Softener**

ACCO Brands Australia Pty Ltd

Version No: 1.3 Safety Data Sheet according to WHS and ADG requirements

Issue Date: 16/04/2021

S.GHS.AUS.EN

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

## **Product Identifier**

Product name	Northfork Fabric Softener	
Synonyms	Not Available	
Other means of identification	5L - 636060700	

## Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Soften garments in a machine wash

#### Details of the supplier of the safety data sheet

Registered company name	CCO Brands Australia Pty Ltd	
Address	9 Waterloo Street, Queanbeyan NSW 2620 Australia	
Telephone	2-96740900	
Fax	61-2-96740910	
Website	www.accobrands.com.au	
Email	sds.anz@acco.com	

#### Emergency telephone number

Association / Organisation	Poisons Information Line	
Emergency telephone numbers	13 11 26	
Other emergency telephone numbers	Not Available	

# **SECTION 2 HAZARDS IDENTIFICATION**

## Classification of the substance or mixture

# HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

Poisons Schedule	Not Applicable
Classification <sup>[1]</sup> Serious Eye Damage Category 1, Acute Aquatic Hazard Category 3	
Legend: 1. Classified by Chernwatch; 2. Classification drawn from HSIS; 3. Classification drawn from EC Directive 1272/2008 - Annex VI	

#### Label elements

GHS label elements	
SIGNAL WORD	DANGER

# Hazard statement(s)

H318	Causes serious eye damage.
H402	Harmful to aquatic life

#### Precautionary statement(s) Prevention

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.

#### Precautionary statement(s) Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P310 Immediately call a POISON CENTER or doctor/physician.	

# Precautionary statement(s) Storage

# Not Applicable

Precautionary statement(s) Disposal

P501	Dispose of contents/container in accordance with local regulations.

# SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

#### Substances

See section below for composition of Mixtures

## Mixtures

CAS No	%[weight]	Name
91995-81-2	<10	tallow dihydrogenated hydroxyethylmonium methosulfate
96910-36-0	<10	isooctylphenol, ethoxylated, propoxylated

# SECTION 4 FIRST AID MEASURES

# Description of first aid measures

Eye Contact	Generally not applicable.	
Skin Contact	If skin or hair contact occurs: <ul> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul>	
Inhalation	<ul> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>	
Ingestion	<ul> <li>Immediately give a glass of water.</li> <li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> <li>If poisoning occurs, contact a doctor or Poisons Information Centre.</li> </ul>	

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### **SECTION 5 FIREFIGHTING MEASURES**

#### Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

## Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

## Advice for firefighters

Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves in the event of a fire.</li> <li>Prevent, by any means available, spillage from entering drains or water courses.</li> <li>Use fire fighting procedures suitable for surrounding area.</li> <li>DO NOT approach containers suspected to be hot.</li> <li>Cool fire exposed containers with water spray from a protected location.</li> <li>If safe to do so, remove containers from path of fire.</li> <li>Equipment should be thoroughly decontaminated after use.</li> <li>Slight hazard when exposed to heat, flame and oxidisers.</li> </ul>
Fire/Explosion Hazard	<ul> <li>Non combustible.</li> <li>Not considered a significant fire risk, however containers may burn.</li> <li>May emit poisonous fumes.</li> </ul>

# SECTION 6 ACCIDENTAL RELEASE MEASURES

## Personal precautions, protective equipment and emergency procedures

Minor Spills	<ul> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Contain and absorb spill with sand, earth, inert material or vermiculite.</li> <li>Wipe up.</li> <li>Place in a suitable, labelled container for waste disposal.</li> <li>Clean up all spills immediately.</li> <li>Secure bad if safe to do so.</li> </ul>
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# Fabric Softener

	Bundle/collect recoverable product.
	Collect remaining material in containers with covers for disposal.
	Minor hazard.
	<ul> <li>Clear area of personnel.</li> </ul>
	Alert Fire Brigade and tell them location and nature of hazard.
	<ul> <li>Control personal contact with the substance, by using protective equipment as required.</li> </ul>
	Prevent spillage from entering drains or water ways.
	Contain spill with sand, earth or vermiculite.
	<ul> <li>Collect recoverable product into labelled containers for recycling.</li> </ul>
Major Spills	Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal.
	Clean up all spills immediately.
	Wear protective clothing, safety glasses, dust mask, gloves.
	<ul> <li>Secure load if safe to do so. Bundle/collect recoverable product.</li> </ul>
	Use dry clean up procedures and avoid generating dust.
	Vacuum up (consider explosion-proof machines designed to be grounded during storage and use).
	<ul> <li>Water may be used to prevent dusting.</li> </ul>
	Collect remaining material in containers with covers for disposal.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

# SECTION 7 HANDLING AND STORAGE

# Precautions for safe handling

Safe handling	<ul> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Prevent concentration in hollows and sumps.</li> <li>DO NOT enter confined spaces until atmosphere has been checked.</li> <li>DO NOT allow material to contact humans, exposed food or food utensils.</li> <li>Avoid contact with incompatible materials.</li> <li>When handling, DO NOT eat, drink or smoke.</li> </ul>
Other information	Store away from incompatible materials.

# Conditions for safe storage, including any incompatibilities

Suitable container	<ul> <li>Polyethylene or polypropylene container.</li> <li>Packing as recommended by manufacturer.</li> <li>Check all containers are clearly labelled and free from leaks.</li> </ul>
Storage incompatibility	None known

# SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

# **Control parameters**

# OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Not Available

## EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3	
Fabric Softener	Not Available	Not Available	Not Available	Not Available	
Ingredient	Original IDLH		Revised IDLH		
tallow dihydrogenated hydroxyethylmonium methosulfate	Not Available		Not Available		
isooctylphenol, ethoxylated, propoxylated	Not Available		Not Available		

# Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. General exhaust is adequate under normal operating conditions.
Personal protection	

Eye and face protection	<ul> <li>Safety glasses with side shields</li> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> <li>No special equipment required due to the physical form of the product.</li> </ul>
Skin protection	See Hand protection below
Hands/feet protection	<ul> <li>Wear general protective gloves, eg. light weight rubber gloves.</li> <li>No special equipment required due to the physical form of the product.</li> <li>Wear chemical protective gloves, e.g. PVC.</li> <li>Wear safety footwear or safety gumboots, e.g. Rubber</li> </ul>
Body protection	See Other protection below
Other protection	<ul> <li>Overalls.</li> <li>P.V.C. apron.</li> <li>Barrier cream.</li> <li>Skin cleansing cream.</li> <li>Eye wash unit.</li> </ul>
Thermal hazards	Not Available

#### Recommended material(s)

#### GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the *computer-generated* selection:

Fabric Softener

Material	CPI
BUTYL	А
NEOPRENE	А
VITON	A
NATURAL RUBBER	С
PVA	С

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

**NOTE:** As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

#### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

#### **Respiratory protection**

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	A-AUS P2	-	A-PAPR-AUS / Class 1 P2
up to 50 x ES	-	A-AUS / Class 1 P2	-
up to 100 x ES	-	A-2 P2	A-PAPR-2 P2 ^

#### ^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

Appearance	A white liquid		
Physical state	article	Relative density (Water = 1)	0.95-1.00
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	6-8	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Immiscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

# SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

# SECTION 11 TOXICOLOGICAL INFORMATION

Oral (rat) LD50: 3200 mg/kgt<sup>[2]</sup>

#### Information on toxicological effects

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Not normally a hazard due to non-volatile nature of product			
Ingestion	The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.			
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.			
Eye	Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).			
Chronic	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.			
Fabric Softener	TOXICITY	IRRITATION		
	Not Available	Not Available		
tallow dihydrogenated	TOXICITY IRRITATION			
hydroxyethylmonium methosulfate	Not Available Not Available			
	TOXICITY		IRRITATION	
isooctylphenol, ethoxylated,	dermal (rat) LD50: >5000 mg/kgt <sup>[2]</sup>		[BASF]	
propoxylated	Inhalation (rat) LC50: >1 mg//8h1 <sup>[2]</sup>		Eye (rabbit): irritant	

Legend: 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.\* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

Skin (rabbit): irritant

Fabric Osti	Ne singliferent evide trainele singli date identified in Kanature en ente
Fabric Softener	No significant acute toxicological data identified in literature search.
TALLOW DIHYDROGENATED HYDROXYETHYLMONIUM METHOSULFATE	Most undiluted cationic surfactants satisfy the criteria for classification as Harmful (Xn) with R22 and as Irritant (Xi) for skin and eyes with R38 and R41. For quaternary ammonium compounds (QACs): Quaternary ammonium compounds are synthetically made surfactants. Studies show that its solubility, toxicity and irritation depend on chain length and bond type while effect on histamine depends on concentration. QACs may cause muscle paralysis with no brain involvement. There is a significant association between the development of asthma symptoms and the use of QACs as disinfectant. Alkyl ester ammonium cationic salts have largely replaced the dialkyldimethylammonium salts in fabric softeners for household use. Alkyl ester ammonium salts are quaternary ammonium cationic compounds containing one, or more often two, weak ester linkages in the molecular structure. This group of cationic surfactants consists of at least three different types of esters: • the esterquat (EQ), N-methyl-N-N-big/2-(C16-18?acyloxy) ethyl]-N-(2-hydroxyethyl) ammonium methosulfate, • the diesterquat (DEQ), N,N-trimethyl-N-[1,2-di-(C16-18? acyloxy) propyl] ammonium, and • the diesterquat (DEQ), N,N,N-trimethyl-N-[1,2-di-(C16-18? acyloxy) propyl] ammonium, and • the diester on al doses of 5,000 mg of EQ (an alkyl ester ammonium cationic salt) kg body weight exhibited no symptoms of toxic reactions. The LD50 values by oral administration and dermal application of DEQ were more than 5,000 mg/kg body weight in rats and more than 2,000 mg/kg body weight for rabbits, respectively). These results indicate a very low acute toxicity of alkyl ester ammonium salts. Concentrated EQ was found to be irritating to the skin of rabbits after 4 hours of semiocclusive exposure, but the irritation is reversible. DEQ was found to be non-irritant to the skin and eye of rabbits. Tallow derivatives used in the manufacture of cosmetic products are safe for consumption when it undergoes- transesterification or hydrolysis at 200 � C, under pressure for 20 minu
ISOOCTYLPHENOL, ETHOXYLATED, PROPOXYLATED	Human beings have regular contact with alcohol ethoxylates through a variety of industrial and consumer products such as soaps, detergents, and other cleaning products. Exposure to these chemicals can occur through ingestion, inhalation, or contact with the skin or eyes. Studies of acute toxicity show that volumes well above a reasonable intake level would have to occur to produce any toxic response. Moreover, no fatal case of poisoning with alcohol ethoxylates has ever been reported. Multiple studies investigating the acute toxicity of alcohol ethoxylates have shown that the use of these compounds is of low concern in terms of oral and dermal toxicity. Clinical animal studies indicate these chemicals may produce gastrointestinal irritation such as ulcerations of the stomach, pilo-erection, diarrhea, and lethargy. Similarly, slight to severe irritation of the skin or eye was generated when undiluted alcohol ethoxylates were applied to the skin and eyes of rabbits and

Not Available to make classification

# **Fabric Softener**

	rats. The chemical shows no indication of being a genotoxin, Both laboratory and animal testing has shown that there is no reproductive or developmental effects were observed. The material may produce moderate eye irritation leading to ir The material may cause skin irritation after prolonged or repea scaling and thickening of the skin. for similar material isooctylphenol, ethoxylated (BASF Citowet	evidence for alcohol ethoxylates (AE flammation. Repeated or prolonged tted exposure and may produce on c	Es) causing genetic damage, mutations or cancer. No adverse exposure to irritants may produce conjunctivitis.
Acute Toxicity	0	Carcinogenicity	$\odot$
Skin Irritation/Corrosion	0	Reproductivity	0
Serious Eye Damage/Irritation	✓	STOT - Single Exposure	0
Respiratory or Skin sensitisation	0	STOT - Repeated Exposure	$\otimes$
Mutagenicity	0	Aspiration Hazard	0
			- – Data available but does not fill the criteria for classification – Data required to make classification available

# SECTION 12 ECOLOGICAL INFORMATION

#### Toxicity

Ingredient	Endpoint	Test Duration (hr)	Species	Value	Source
Not Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Legend:	Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data				

Harmful to aquatic organisms. **DO NOT** discharge into sewer or waterways.

## Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
	No Data available for all ingredients	No Data available for all ingredients

#### Bioaccumulative potential

Ingredient	Bioaccumulation
	No Data available for all ingredients
Mobility in soil	
Ingredient	Mobility
	No Data available for all ingredients

# SECTION 13 DISPOSAL CONSIDERATIONS

# Waste treatment methods Product / Packaging disposal • Recycle wherever possible or consult manufacturer for recycling options. • Consult State Land Waste Management Authority for disposal. • Bury residue in an authorised landfill. • Recycle containers if possible, or dispose of in an authorised landfill.

# SECTION 14 TRANSPORT INFORMATION

# Labels Required

Marine Pollutant HAZCHEM

Not Applicable

NO

## Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

# Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

#### Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

#### **SECTION 15 REGULATORY INFORMATION**

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

#### TALLOW DIHYDROGENATED HYDROXYETHYLMONIUM METHOSULFATE(91995-81-2) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

#### ISOOCTYLPHENOL, ETHOXYLATED, PROPOXYLATED(96910-36-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Not Applicable	
National Inventory	Status
Australia - AICS	N (isooctylphenol, ethoxylated, propoxylated)
Canada - DSL	N (isooctylphenol, ethoxylated, propoxylated; tallow dihydrogenated hydroxyethylmonium methosulfate)
Canada - NDSL	N (isooctylphenol, ethoxylated, propoxylated; tallow dihydrogenated hydroxyethylmonium methosulfate)
China - IECSC	N (isooctylphenol, ethoxylated, propoxylated)
Europe - EINEC / ELINCS / NLP	N (isooctylphenol, ethoxylated, propoxylated)
Japan - ENCS	N (isooctylphenol, ethoxylated, propoxylated; tallow dihydrogenated hydroxyethylmonium methosulfate)
Korea - KECI	N (isooctylphenol, ethoxylated, propoxylated)
New Zealand - NZIoC	Υ
Philippines - PICCS	Υ
USA - TSCA	N (isooctylphenol, ethoxylated, propoxylated; tallow dihydrogenated hydroxyethylmonium methosulfate)
Legend:	Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

#### **SECTION 16 OTHER INFORMATION**

#### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at: www.chemwatch.net

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

#### Definitions and abbreviations

PC-TWA: Permissible Concentration-Time Weighted Average PC-STEL: Permissible Concentration-Short Term Exposure Limit IARC: International Agency for Research on Cancer ACGIH: American Conference of Governmental Industrial Hygienists STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit.

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value **BCF: BioConcentration Factors** 

**BEI: Biological Exposure Index** 

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