



Safety Data Sheet

This safety data sheet complies with the requirements of: WHS regulation 2011

Product name ANSUL NFF 3X3 UL201

Section 1: Identification: Product identifier and chemical identity

Product Identifier

Product name ANSUL NFF 3X3 UL201

Product code 452611

Other means of identification

Pure substance/mixture Mixture

Recommended use of the chemical and restrictions on use

Sold to the general public No
Recommended use Fire extinguishing agent

Uses advised against Consumer use

Details of manufacturer or importer

Supplier

Johnson Controls
Level 3, 37 Dalmore Dr,
Scoresby, VIC 3178,
Australia
Tel: +1300 725 688

For further information, please contact

Product Stewardship at 1-715-735-7411

Emergency Telephone Number

612 9037 2994 (Australia)

Section 2: Hazard(s) identification

GHS - Classification

Serious eye damage/eye irritation Category 2 - (H319)

Label Elements

Exclamation mark



Product code 452611

/ Product name ANSUL NFF 3X3 /
UL201

PAGE 2 / 8



Signal word

WARNING

Hazard statements

H319 - Causes serious eye irritation

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

Other Hazards

Section 3: Composition and information on ingredients, in accordance with Schedule 8

Substance

Not Applicable

Mixture

Chemical name	CAS No	weight-%
Caprylcaprylyl glucoside	68515-73-1	3 - 7
2-(2-Butoxyethoxy)ethanol	112-34-5	1 - 5
Sodium Octyl Sulfate	142-31-4	1 - 5
1-Propanaminium, N-(3-Aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-Coco-acyl derivatives	68139-30-0	1 - 5
Proprietary	-	1 - 5
Non-hazardous ingredients	Proprietary	Balance

Section 4: First aid measures

Description of first aid measures

Emergency telephone number

Poisons Information Center, Australia: 13 11 26
Poisons Information Center, New Zealand: 0800 764 766

Inhalation

Remove to fresh air.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.
Consult a doctor.

Skin contact

Wash skin with soap and water.

Ingestion

Clean mouth with water and drink afterwards plenty of water.



Product code 452611

/ Product name ANSUL NFF 3X3 /
UL201

PAGE 3 / 8

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms No information available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to physicians Treat symptomatically.

Section 5: Firefighting measures

Suitable extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific Hazards Arising from the Chemical

Specific hazards arising from the chemical No information available.

Special Protective Actions for Fire-Fighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

Environmental Precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labelled containers.

Precautions to prevent secondary hazards

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7: Handling and storage, including how the chemical may be safely used

Precautions for Safe Handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.



Product code 452611

/ Product name ANSUL NFF 3X3 /
UL201

PAGE 4 / 8

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None known based on information supplied.

Section 8: Exposure controls and personal protection

Control Parameters

Exposure Limits . This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls No information available.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	No data available
Colour	Light yellow
Odour	Characteristic.
Odour Threshold	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7 - 8	
Melting point/freezing point	No data available	No data available
Boiling point / boiling range	No data available	No data available
Flash Point		No data available
Evaporation Rate	No data available	No data available
Flammability (solid, gas)	No data available	No data available
Flammability limit in air		No data available
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapour Pressure	No data available	No data available
Vapour Density	No data available	No data available
Relative Density	No data available	No data available
Water Solubility	Completely soluble	
solubility(ies)	No data available	No data available



Product code 452611

/ Product name ANSUL NFF 3X3 /
UL201

PAGE 5 / 8

Partition coefficient	No data available	No data available
Autoignition Temperature	No data available	No data available
Decomposition Temperature	No data available	No data available
Kinematic viscosity	No data available	No data available
Dynamic viscosity	1540 - 2040 cP	@ 25 °C

OTHER INFORMATION

softening point	No data available
Molecular Weight	No data available
VOC content (%)	9.715
Density	1.02 - 1.06
Bulk Density	No data available

Section 10: Stability and reactivity

Reactivity

Reactivity No information available.

Chemical Stability

Stability Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Conditions to Avoid

Conditions to avoid None known based on information supplied.

Incompatible Materials

Incompatible materials None known based on information supplied.

Hazardous decomposition products

Hazardous decomposition products Oxides of sulphur. Carbon oxides. Nitrogen oxides (NOx).

Section 11: Toxicological information

Product information					
Method	species	Exposure Route	Effective dose	Exposure time	Results
U.S. EPA Health Effects Test Guidelines, OPPTS 870.1100, Acute Oral Toxicity	Rat	oral	2000 mg/kg		LD50 > 2000 mg/kg
U.S. EPA Health Effects Test Guidelines, OPPTS 870.2500, Dermal Irritation	Rabbit	dermal		4 hours	Causes mild skin irritation

Product information



Product code 452611

/ Product name ANSUL NFF 3X3 /
UL201

PAGE 6 / 8

Method	species	Exposure Route	Effective dose	Exposure time	Results
U.S. EPA Health Effects Test Guidelines, OPPTS 870.2400, Ocular Irritation	Rabbit	eye			Causes moderate eye irritation

Section 12: Ecological information

Product information

Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 203: Fish, Acute Toxicity Test	(Fat Head Minnow)	NOEC	LC50 32 mg/l	96 hours	NOEC: 10 mg/l
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test	Daphnia magna	EC50	> 100 mg/l	48 hours	EC50: > 100 mg/l
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Freshwater Alga (Raphidocelis subcapitata)	NOEC	EC50 (72hr) 19.8 mg/l	72 hours	NOEC (72 Hrs) < 6.3 mg/l
OECD Test No. 209: Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)	Activated sludge microorganisms	EC15 and EC50			No inhibition of activated sludge respiration at 10, 100 and 1000 mg/L. The EC15 and EC50 could not be calculated.

Persistence and Degradability

Product information			
Method	Exposure time	VALUE	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	>20% - <60% (during the 10 days of achieving 10% ThOD)	Inherently biodegradable

Biodegradability (B.O.D./C.O.D.)

BOD/COD analysis
Concentrate:
BOD5: > 214110 mg/L
BOD20: 447667 mg/L

COD: 447100 mg/L

Diluted (97% water, 3% Concentrate)
BOD5: 8591 mg/L
BOD20: 15000 mg/L

COD: 21490 mg/L

Bioaccumulative potential

Bioaccumulation

This preparation contains no substance considered to be very persistent nor very bio-accumulating (vPvB).

Mobility



Product code 452611

/ Product name ANSUL NFF 3X3 /
UL201

PAGE 7 / 8

Mobility in Soil After release, adsorbs onto soil.

Mobility After release, disperses through ground water. Keep out of waterways.

Section 13: Disposal considerations

Waste Treatment Methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

Section 14: Transport information

ADG NOT REGULATED

IATA NOT REGULATED

IMDG NOT REGULATED

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC CODE

No information available

Section 15: Regulatory information

REGULATORY INFORMATION

National Regulations

Australia

See section 8 for national exposure control parameters

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

No poisons schedule number allocated

International Inventories

TSCA	Complies
DSL/NDSL	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Does not comply
PICCS	Does not comply
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

ENCS - Japan Existing and New Chemical Substances



Product code 452611

/ Product name ANSUL NFF 3X3 /
UL201

PAGE 8 / 8

IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

International regulations

Ozone-depleting substances (ODS) Not Applicable

Persistent Organic Pollutants Not Applicable

Export Notification requirements Not Applicable

Section 16: Any other relevant information

Revision date 16-Nov-2021

Revision note

No information available.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend SECTION 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
c	carcinogen		

Disclaimer

The information provided in this Material Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text

End of Safety Data Sheet