

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
 Product name : First Contact NV, NVX and NVG Instant Hand Rub Solutions and Gels

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

#### 1.2.1. Relevant identified uses

Main use category : Hygienic Hand Rub and Hand Sterilizer - Consumer and Industrial use  
 Use of the substance/mixture : WHO (World Health Organization) Recommended Formula for hand rub.  
 Restrictions on Use : This consumer commodity is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement for an SDS for the consumer. While this material is flammable, it is not considered hazardous under normal foreseeable use and this SDS contains valuable information for workers in industrial workplaces. The SDS should be maintained and available for employees and other users of this product. This product may ship ORM-D.

#### 1.2.2. Uses advised against

Do not ingest. Keep away from eyes. No additional information available.

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

#### Manufacturer & Distributor

Photonic Cleaning NV, LLC, 1895 Short Lane, Building 2, Platteville, WI 53818 USA, T +1-608-467-5396 [safety@photoniccleaning.com](mailto:safety@photoniccleaning.com)

### 1.4. Emergency telephone number

Emergency number : Chemtel US: +1-800-255-3924 24hrs/day 7 days/week  
 International Emergency: +1-813-248-0585 or please contact country regional representative.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP], OSHA HazCom 2012, and WHMIS 2015

Flam. Liq. 2 H225  
 Eye Dam. 1 H318  
 STOT SE 3 H336

Full text of hazard classes and H-statements : see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02



GHS07

Signal word (CLP) : Danger

Hazardous ingredients (CLP) :

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.  
 H318 - Causes serious eye damage.  
 H336 - May cause drowsiness or dizziness.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+P351+P338+P310 - 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.  
 P403+P235 - Store in a well-ventilated place. Keep cool.  
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations

# First Contact NV, NVX & NVG Instant Hand Rub Solutions and Gels



## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830.

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015.

EUH-statements (CLP)	: EUH066 - Repeated exposure may cause skin dryness or cracking.
Unknown acute toxicity (CLP) - SDS	: None of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) None of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) None of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))
Unknown hazards to the aquatic environment (CLP)	: None of components with unknown hazards to the aquatic environment

### Labelling according to OSHA HazCom 2012 and WHMIS 2015

Hazard pictograms (OSHA & WHMIS)	:  
	GHS02 GHS07
Signal word (OSHA & WHMIS)	: Danger
Hazard statements (OSHA & WHMIS)	: Extremely flammable liquid and vapour. Causes serious eye damage. May cause drowsiness or dizziness.
Precautionary statements (OSHA & WHMIS)	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. 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/doctor. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Unknown acute toxicity (OSHA & WHMIS)	: Not applicable

### 2.3. Other hazards

Other hazards not contributing to the classification (CLP)	: Not applicable
Other hazards not contributing to the classification (OSHA & WHMIS)	: Repeated exposure may cause skin dryness or cracking.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

CLP:			
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-methyl-2-propanol (denaturant)	(CAS-No.) 75-65-0 (EC-No.) 200-889-7 (EC Index-No.) 603-005-00-1	0 - < 1	Flam. Liq. 3, H226 Eye Dam. 1, H318 STOT SE 3, H335

OSHA Hazcom 2012 and WHMIS 2015:		
Name	Product identifier	%
Ethyl alcohol	(CAS-No.) 64-17-5	80
Glycerine (USP)	(CAS-No.) 64-17-5	0-2.5
Water (Distilled)	(CAS-No.) 7732-18-5	15-20
Hydrogen Peroxide (USP 3%)	(CAS-No.) 7722-84-1	< 0.2
2-methyl-2-propanol	(CAS-No.) 75-65-0	<0.3

\*The concentrations listed also represent actual ranges that result from batch variability. Exact % are withheld to maintain trade secrets. Total alcohol concentrations batch to batch are always kept above the threshold set by WHO recipes for sterilization. Water content is never above 20%.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: On skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash clothing before re-using. Get medical attention if irritation develops/persists.

# First Contact NV, NVX & NVG Instant Hand Rub Solutions and Gels

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830.

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015.

- |                                      |   |
|--------------------------------------|---|
| First-aid measures after eye contact | : 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/doctor. |
| First-aid measures after ingestion   | : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.                    |

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

- |                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : May cause irritation to the respiratory tract. May cause drowsiness or dizziness.  |
| Symptoms/effects after skin contact | : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.   |
| Symptoms/effects after eye contact  | : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns. |
| Symptoms/effects after ingestion    | : Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.  |

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

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- |                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Water spray. Dry powder. Carbon dioxide. Alcohol-resistant foam. |
| Unsuitable extinguishing media | : None known.  |

### 5.2. Special hazards arising from the substance or mixture

- |                  |  |
|------------------|--|
| Fire hazard      | : Products of combustion may include, and are not limited to: oxides of carbon. Oxides of nitrogen. Highly flammable liquid and vapour. Vapours are heavier than air and may spread along floors. Be careful to flashback of fire. |
| Explosion hazard | : May form flammable/explosive vapour-air mixture.   |

### 5.3. Advice for firefighters

- |                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Cool closed containers exposed to fire with water spray.   |
| Protection during firefighting | : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- |                  |  |
|------------------|--|
| General measures | : Use personal protection recommended in Section 8. Isolate hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition. Use only non-sparking tools. |
|------------------|--|

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

- |                         |  |
|-------------------------|--|
| For containment         | : For small spills, wipe up and rinse with water. Large spills: Dike and contain spill; pump off product. Absorb residues with: inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment. Stop leak if safe to do so. |
| Methods for cleaning up | : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.   |

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                                   |  |
|-----------------------------------|--|
| Additional hazards when processed | : Handle empty containers with care because residual vapours are flammable.  |
| Precautions for safe handling     | : Do not get in eyes. Do not swallow. Avoid contact with skin and clothing. Avoid breathing dust/fume/gas/mist/vapours/spray. Handle and open container with care. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof equipment. Use only non-sparking tools. Take action to prevent static discharges. Wear personal protective equipment. Ensure adequate ventilation. Protect from sunlight. |
| Hygiene measures                  | : Wash contaminated clothing before reuse. Always wash hands after handling the product.   |

### 7.2. Conditions for safe storage, including any incompatibilities

- |                    |   |
|--------------------|---|
| Technical measures | : Proper grounding procedures to avoid static electricity should be followed. |
|--------------------|---|

# First Contact NV, NVX & NVG Instant Hand Rub Solutions and Gels

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830.

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015.

Storage conditions : Suitable materials for containers: Carbon steel (Iron). Stainless steel 1.4401, Stainless steel 1.4301 (V2). Tin (Tinplate). Glass. Zinc coated. Polyethylene. Polypropylene. Nylon. Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Protect from sunlight. Keep cool. Store locked up.

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ethyl alcohol (64-17-5)		
ACGIH	ACGIH STEL (ppm)	1000 ppm
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
IDLH	US IDLH (ppm)	3300 ppm (10% LEL)
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm

2-methyl-2-propanol (75-65-0)		
ACGIH	ACGIH TWA (ppm)	100 ppm (Propyl acetate isomers)
ACGIH	ACGIH STEL (ppm)	150 ppm (Propyl acetate isomers)
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
IDLH	US IDLH (ppm)	1600 ppm
NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
NIOSH	NIOSH REL (STEL) (ppm)	150 ppm

### 8.2. Exposure controls

**Appropriate engineering controls:** Ensure good ventilation of the work station

#### Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent) (CLP)

Wear suitable gloves resistant to chemical penetration (OSHA & WHMIS)

#### Eye protection:

Safety eyewear complying with an approved standard such as the European Standard EN166 should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. (CLP)

Wear eye/face protection. (OSHA & WHMIS)

**Skin and body protection:** Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls: Avoid release to the environment

Other information: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: No color.
Odour	: Alcohol-like odour
Odour threshold	: No data available
pH	: About 4
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Unknown > -95 °C (-139 °F)
Freezing point	: No data available
Boiling point	: Unknown < 75.6 °C (168.08 °F)
Flash point	: Unknown >17 °C (62 °F)
Auto-ignition temperature	: Unknown. ≈ 365(ethanol) °C (Directive 92/69/EEC, A.15) (482 °F)

# First Contact NV, NVX & NVG Instant Hand Rub Solutions and Gels

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830.

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015.

Decomposition temperature	: Unknown. $\approx$ 300 °C (572 °F)
Flammability (solid, gas)	: Highly flammable liquid and vapour.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: $\approx$ 2 (estimated value)
Density	: $\approx$ 0.88 g/cm <sup>3</sup> -(20 °C) (68 °F) linear extrapolation
Solubility	: Completely miscible with water
Partition coefficient n-octanol/water	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: $\approx$ 2 cP (20 °C) (68 °F)
Explosive properties	: None.
Oxidising properties	: None.
Lower explosive limit (LEL)	: $\approx$ 3%, For liquids not relevant for classification and labelling, The lower explosion point may be 2 – 15 °C below the flash point.
Upper explosive limit (UEL)	: $\approx$ 19%, For liquids not relevant for classification and labelling.

### 9.2. Other information

VOC content	: 80 %
-------------	--------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

Reacts with : Concentrated acids. Vapors may form explosive mixture with air. Reacts with (strong) oxidizers.

### 10.4. Conditions to avoid

Heat. Sources of ignition. Direct sunlight. Incompatible materials.

### 10.5. Incompatible materials

Oxidizing agents. Bases. Amines. Oxygen. Reducing agents.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. May release flammable gases. Hydrogen.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.
Unknown acute toxicity (CLP)	: None of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) None of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) None of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))
Skin corrosion/irritation	: Not classified.
Additional information	: Based on available data, the classification criteria are not met. Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.

#### Ethyl alcohol (64-17-5)

IARC group	1 - Carcinogenic to humans
Aspiration hazard	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract. May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

# First Contact NV, NVX & NVG Instant Hand Rub Solutions and Gels

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830.

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
Unknown hazards to aquatic environment (CLP)	: Contains 55 % of components with unknown hazards to the aquatic environment
Acute aquatic toxicity	: Not classified.
Chronic aquatic toxicity	: Not classified.

#### Ethyl alcohol (64-17-5)

LC50 fish 1	12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

#### 12.2. Persistence and degradability

##### First Contact NV & NVG Sanitizer Solutions

Persistence and degradability	Not readily biodegradable (OECD). Limited biodegradability. Highly volatile liquid; easily eliminated from water by stripping.
-------------------------------	--

#### 12.3. Bioaccumulative potential

##### First Contact NV & NVG Sanitizer Solutions

Bioaccumulative potential	Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected
---------------------------	--

#### Ethyl alcohol (64-17-5)

Partition coefficient n-octanol/water	-0.32
---------------------------------------	-------

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

Additional information : No other effects known

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Incinerate at a licensed installation. Empty containers should be taken for recycling.

Additional information : Handle empty containers with care because residual vapours are flammable.

### SECTION 14: Transport information

In accordance with ADR, DOT, and TDG

#### 14.1. UN number

UN-No. (ADR/ DOT/TDG) : 1170

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ETHYL ALCOHOL SOLUTION

Proper Shipping Name (DOT/TDG) : Ethyl alcohol solution

#### 14.3. Transport hazard class(es)

**Bulk** :  
Transport hazard class(es) (ADR/DOT/TDG) : 3  
Danger labels (ADR/DOT/TDG) :



#### Small Bottle Shipping: ORM-D or Limited Quantity (consumer Commodity)

##### DOT

**Proper Shipping Name** : CONSUMER COMMODITY  
**Hazard Class** : ORM-D NMFC 59420 Class 60  
**Marine Pollutant Description** : Does not contain any chemicals listed as a marine pollutant according to DOT  
**Emergency Response Guide Number** : CONSUMER COMMODITY, ORM-D 127

##### TDG

**UN-No.** : UN1170  
**Proper Shipping Name** : ETHANOL SOLUTION  
**Hazard Class** : 3  
**Packing Group** : II  
**Description** : UN1170, ETHANOL SOLUTION, 3, PG II

##### MEX

**UN-No.** : UN1170  
**Proper Shipping Name** : ETHANOL SOLUTION  
**Hazard Class** : 3

# First Contact NV, NVX & NVG Instant Hand Rub Solutions and Gels

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830.

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015.

<b>Packing Group</b>	II
<b>Description</b>	UN1170, ETHANOL SOLUTION, 3, II
<b>ICAO</b>	
<b>UN-No.</b>	ID8000
<b>Proper Shipping Name</b>	CONSUMER COMMODITY
<b>Hazard Class</b>	9
<b>Description</b>	ID8000, CONSUMER COMMODITY, 9
<b>IATA</b>	
<b>UN-No.</b>	ID8000
<b>Proper Shipping Name</b>	CONSUMER COMMODITY
<b>Hazard Class</b>	9
<b>IMDG/IMO</b>	
<b>UN-No.</b>	UN1170
<b>Proper Shipping Name</b>	ETHANOL SOLUTION
<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>EmS-No.</b>	F-E, S-D
<b>Description</b>	UN1170, ETHANOL SOLUTION, 3, PG II, FP 20C
<b>RID</b>	
<b>UN-No.</b>	UN1170
<b>Proper Shipping Name</b>	ETHANOL SOLUTION (ETHYL ALCOHOL)
<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>Classification code</b>	F1
<b>Description</b>	UN1170, ETHANOL SOLUTION (ETHYL ALCOHOL), 3, II
<b>ADR</b>	
<b>UN-No.</b>	UN1170
<b>Proper Shipping Name</b>	ETHANOL SOLUTION (ETHYL ALCOHOL)
<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>Classification code</b>	F1
<b>Description</b>	UN1170, ETHANOL SOLUTION (ETHYL ALCOHOL), 3, II
<b>ADN</b>	
<b>UN-No.</b>	UN1170
<b>Proper Shipping Name</b>	ETHANOL SOLUTION
<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>Classification code</b>	F1
<b>Special Provisions</b>	144, 601
<b>Description</b>	UN1170, ETHANOL SOLUTION, 3, II
<b>Hazard Labels</b>	3
<b>Limited Quantity</b>	LQ4
<b>Ventilation</b>	VE01

#### 14.4. Packing group

Packing group (ADR/DOT/TDG) : II

#### 14.5. Environmental hazards

Dangerous for the environment (ADR/DOT/TDG) No  
 Other information : (ADR/DOT/TDG) No supplementary information available.

#### 14.6. Special precautions for user

Bulk-Special transport precautions : Do not handle until all safety precautions have been read and understood.

#### Bulk- Overland transport

Orange plates (ADR) : 

33
1170

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### SECTION 15: Regulatory information (CLP)

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

##### EU-Regulations :

Contains no REACH substances with Annex XVII restrictions and no REACH candidate substance. Contains no REACH Annex XIV substances  
 Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC. VOC Content 80%

##### US & CA Federal and State regulations:

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# First Contact NV, NVX & NVG Instant Hand Rub Solutions and Gels

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830.

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015.

### SECTION 16: Other information

Indication of changes: 1.1 General Typographic cleanup and clarification Rev. date 08/26/2020

1.11 Removal of extra word in use title Rev. date 08/27/2020

Other information: none

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms: Full text of H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 2	H225	On basis of test data
Eye Dam. 1	H318	Calculation method
STOT SE 3	H336	Calculation method

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ACGIH – American Conference of Governmental Industrial Hygienists  
ATE – Acute Toxicity Estimate  
BCF – Bioconcentration Factor  
BEI – Biological Exposure Index  
CAS – Chemical Abstracts Service  
CLP – Regulation (EC) No 1272/2008 on the Classification, Labeling and Packaging of substances and mixtures.  
cP – centipoise (unit of dynamic viscosity)  
cSt – centistokes (unit of kinematic viscosity)  
DNEL – Derived No-effect Level  
EC50 – Half maximal effective concentration  
ECHA – European Chemicals Agency  
EC-No. – European Community number  
GHS – Globally Harmonized System of Classification and Labelling of Chemicals  
IATA – International Air Transport Association  
IDLH – Immediately Dangerous to Life or Health  
IMDG – International Maritime Dangerous Goods  
IOELV – Indicative Occupational Exposure Limit Value  
Kow – Octanol-Water Partition Coefficient  
LC50 – Median Lethal Concentration  
LD50 – Median Lethal Dose  
mg/l – Milligram per liter  
mg/kg – Milligram per kilogram  
mg/m<sup>3</sup> – Milligram per cubic meter  
NIOSH – National Institute for Occupational Safety and Health  
NOEC – No Observed Effect Concentration  
N.O.S. – Not Otherwise Specified  
OEL – Occupational Exposure Limit  
PBT - Persistent, Bioaccumulative and Toxic  
PVC – Polyvinyl chloride  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID – European Agreement concerning the International Carriage of Dangerous Goods by Rail  
SDS – Safety Data Sheet  
STEL – Short Term Exposure Limit  
TLV – Threshold Limit Value  
TWA – Time Weighted Average  
UN – United Nations  
vPvB - Very Persistent and Very Bioaccumulative

*Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.*