

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



## STERILE SANITISER

Material number 014822

Revision date: 6/7/2020  
Version: 2

Language: en-GB,IE

Date of print: 7/7/2020  
Page: 1 of 12

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

#### 1.1 Product identifier

Trade name: STERILE SANITISER

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

General use: Hand disinfectant

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

Company name: INEOS Solvents Germany GmbH  
Street/POB-No.: Römerstr. 733  
Postal Code, city: 47443 Moers  
Germany

WWW: www.ineos.com  
Telephone: +49 (0)2841-49-0  
Telefax: +49 (0)2841-49-2423

Department responsible for information:  
Telephone: +49 (89) 262 033 28  
E-mail: SanitiserUK@ineos.com

Additional information: On behalf of:  
INEOS Solvents SA  
Avenue des Uttins 3, 1180 Rolle, Switzerland

#### 1.4 Emergency telephone number

National Chemical Emergency Centre (UK),  
Telephone: +44 (0)1235 239 670

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP)

Flam. Liq. 2; H225 Highly flammable liquid and vapour.  
Eye Irrit. 2; H319 Causes serious eye irritation.

#### 2.2 Label elements

##### Labelling (CLP)



Signal word: **Danger**

Hazard statements: H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

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according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



## STERILE SANITISER

Material number 014822

Revision date: 6/7/2020  
Version: 2

Language: en-GB,IE

Date of print: 7/7/2020  
Page: 2 of 12

### Precautionary Statements:

- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container to hazardous or special waste collection point.

### Special labelling

Text for labelling: Contains: Ethanol 75 g/100 g  
Product-type 1: Human hygiene  
Use biocides safely. Always read the label and product information before use.

### 2.3 Other hazards

Potentially explosive mixtures may form if adequate ventilation is not provided.  
Inhaling can lead to irritations of the respiratory tract and mucous membrane.  
Higher doses may lead to a narcotic effect.  
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.  
Special danger of slipping by leaking/spilling product.

Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

## SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: Ethanol (denaturated), aqueous solution

Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119457610-43-xxxx EC No. 200-578-6 CAS 64-17-5	Ethanol	75 - 80 %	Flam. Liq. 2; H225. Eye Irrit. 2; H319.
REACH 01-2119485845-22-xxxx EC No. 231-765-0 CAS 7722-84-1	Hydrogen peroxide	< 0.5 %	Ox. Liq. 1; H271. Acute Tox. 4; H302. Acute Tox. 4; H332. Skin Corr. 1A; H314. Eye Dam. 1; H318. STOT SE 3; H335. Aquatic Chronic 3; H412.

Full text of H- and EUH-statements: see section 16.

Additional information: Contains Glycerol: The maximum workplace exposure limits are, where necessary, listed in section 8.

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according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



## STERILE SANITISER

Material number 014822

Revision date: 6/7/2020  
Version: 2

Language: en-GB,IE

Date of print: 7/7/2020  
Page: 3 of 12

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General information: If medical advice is needed, have product container or label at hand. First aider: Pay attention to self-protection!
- In case of inhalation: Remove person to fresh air and keep comfortable for breathing. Seek medical treatment in case of troubles.
- Following skin contact: Immediately clean with water and soap followed by thorough rinsing. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.
- After swallowing: Rinse mouth immediately and drink plenty of water.  
Never give anything by mouth to an unconscious person.  
Do not induce vomiting. Immediately get medical attention.

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

Causes serious eye irritation.  
Inhaling can lead to irritations of the respiratory tract and mucous membrane. Higher doses may lead to a narcotic effect.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media:  
Water spray jet, extinguishing powder, alcohol resistant foam, carbon dioxide.

Extinguishing media which must not be used for safety reasons:  
Full water jet

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

Highly flammable liquid and vapour.  
With air, vapours form potentially explosive mixtures, which are heavier than air. Vapours may proceed on the ground over great distances and cause fire and backflashes.  
May form dangerous gases and vapours in case of fire.  
Furthermore, there may develop: carbon monoxide and carbon dioxide

#### 5.3 Advice for firefighters

Special protective equipment for firefighters:  
Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



## STERILE SANITISER

Material number 014822

Revision date: 6/7/2020  
Version: 2

Language: en-GB,IE

Date of print: 7/7/2020  
Page: 4 of 12

Additional information: Hazchem-Code: •2YE  
Move undamaged containers from immediate hazard area if it can be done safely.  
Heating will lead to pressure increase: Danger of bursting and explosion. Use fine water spray to cool endangered containers.  
Do not allow fire water to penetrate into surface or ground water.  
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

## SECTION 6: Accidental release measures

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

Avoid breathing mist/vapours/spray. Avoid contact with the substance. Eliminate all ignition sources if safe to do so. If possible, eliminate leakage. Provide adequate ventilation. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Keep unprotected people away.  
Cordon off downwind area at risk and warn inhabitants.

### 6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains. Danger of explosion!  
In case of release, notify competent authorities.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).  
Beware of reignition. Thoroughly clean surrounding area.  
In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

Additional information: Use explosion-proof equipment and non-sparking tools/utensils.  
Special danger of slipping by leaking/spilling product.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid breathing mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.  
Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.  
Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. In case of handling larger quantities: Wash hands before breaks and after work.  
Have eye wash bottle or eye rinse ready at work place. When handling large quantities, supply emergency spray.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



## STERILE SANITISER

Material number 014822

Revision date: 6/7/2020  
Version: 2

Language: en-GB,IE

Date of print: 7/7/2020  
Page: 5 of 12

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking. Take action to prevent static discharges. With air, vapours form potentially explosive mixtures, which are heavier than air. In partially filled containers explosive mixtures may form.  
Use only explosion-protected equipment/instruments. Do not weld.

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

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place. Keep container dry. Protect from heat and direct sunlight.  
Store containers in upright position. Explosion protection required.  
Do not store material on passage ways and escape routes.

Hints on joint storage:

Do not store together with strong oxidizing agents.  
Keep away from food, drink and animal feedingstuffs.

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64-17-5	Ethanol	Great Britain: WEL-TWA Ireland: 15 minutes	1920 mg/m <sup>3</sup> ; 1000 ppm 1000 ppm
56-81-5	Glycerol	Great Britain: WEL-TWA Ireland: 8 hours	10 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>
78-93-3	Butanone	Europe: IOELV: STEL Europe: IOELV: TWA Great Britain: WEL-STEL Great Britain: WEL-TWA Ireland: 15 minutes  Ireland: 8 hours	900 mg/m <sup>3</sup> ; 300 ppm 600 mg/m <sup>3</sup> ; 200 ppm 899 mg/m <sup>3</sup> ; 300 ppm 600 mg/m <sup>3</sup> ; 200 ppm 900 mg/m <sup>3</sup> ; 300 ppm (may be absorbed through the skin) 600 mg/m <sup>3</sup> ; 200 ppm (may be absorbed through the skin)
7722-84-1	Hydrogen peroxide	Great Britain: WEL-STEL Great Britain: WEL-TWA Ireland: 15 minutes Ireland: 8 hours	2.8 mg/m <sup>3</sup> ; 2 ppm 1.4 mg/m <sup>3</sup> ; 1 ppm 3 mg/m <sup>3</sup> ; 2 ppm 1.5 mg/m <sup>3</sup> ; 1 ppm

DNEL/DMEL:

Information about Ethanol:

DNEL workers, inhalative, systemic, long-term: 950 mg/m<sup>3</sup>  
DNEL workers, dermal, systemic, long-term: 343 mg/kg/bw/d  
DNEL consumer, inhalative, systemic, long-term: 114 mg/m<sup>3</sup>  
DNEL consumer, dermal, systemic, long-term: 206 mg/kg/bw/d  
DNEL consumer, oral, systemic, long-term: 87 mg/kg/bw/d

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



## STERILE SANITISER

Material number 014822

Revision date: 6/7/2020  
Version: 2

Language: en-GB,IE

Date of print: 7/7/2020  
Page: 6 of 12

PNEC: Information about Ethanol:  
PNEC water (freshwater): 0.96 mg/L  
PNEC water (marine water): 0.79 mg/L  
PNEC sediment (freshwater): 3.6 mg/kg  
PNEC sediment (marine water): 2.9 mg/kg  
PNEC sewage treatment plant: 580 mg/L  
PNEC soil: 0.63 mg/kg  
PNEC oral (predator): 0.38 g/kg

### 8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment. Explosion protection required.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Recommendation: Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection: In case of handling larger quantities: Protective gloves according to EN 374. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: In case of handling larger quantities: Tightly sealed goggles according to EN 166.

Body protection: In case of handling larger quantities: Flame retardant, antistatic and chemical resistant protective clothing.

General protection and hygiene measures:  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Avoid breathing mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Take off contaminated clothing and wash it before reuse.  
When using do not eat or drink. In case of handling larger quantities: Wash hands before breaks and after work.  
Have eye wash bottle or eye rinse ready at work place. When handling large quantities, supply emergency spray.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance: Physical state at 20 °C and 101.3 kPa: liquid  
Form: viscous  
Colour: colourless, clear

Odour: Alcoholic  
Odour threshold: No data available

pH value: 7.6

Melting point/freezing point: No data available  
Initial boiling point and boiling range: No data available  
Flash point/flash point range: 19 °C  
Evaporation rate: No data available  
Flammability: Highly flammable liquid and vapour.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



## STERILE SANITISER

Material number 014822

Revision date: 6/7/2020  
Version: 2

Language: en-GB,IE

Date of print: 7/7/2020  
Page: 7 of 12

Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	0.856 g/mL
Water solubility:	at 20 °C: Completely miscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, dynamic:	500 - 3500 mPa*s
Explosive properties:	Not explosive. Vapours can form explosive mixtures with air.
Oxidizing characteristics:	No data available

### 9.2 Other information

Solvent content:	75 %
Water content:	15 - 20 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Highly flammable liquid and vapour.  
Vapours can form explosive mixtures with air.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Heating will lead to pressure increase: Danger of bursting and explosion.

### 10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.  
Protect from direct sunlight.

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

No decomposition when used properly.  
Thermal decomposition: No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



## STERILE SANITISER

Material number 014822

Revision date: 6/7/2020  
Version: 2

Language: en-GB,IE

Date of print: 7/7/2020  
Page: 8 of 12

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

ATEmix (calculated): > 5,000 mg/kg

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

ATEmix (calculated): > 2,000 mg/kg

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

ATEmix (calculated): > 20 mg/L

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Based on available data, the classification criteria are not met.

Contains Limonene. May produce an allergic reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Other information: Information about Ethanol:

LD50 Rat, oral: 10,470 mg/kg (OECD 401)

LD50 Rabbit, dermal: > 2,000 mg/kg (OECD 402)

LC50 Rat, inhalative: 124.7 mg/L/4h (OECD 403)

#### Symptoms

After contact with skin:

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



## STERILE SANITISER

Material number 014822

Revision date: 6/7/2020  
Version: 2

Language: en-GB,IE

Date of print: 7/7/2020  
Page: 9 of 12

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity: Information about Ethanol:  
Fish toxicity:  
LC50 Pimephales promelas (fathead minnow): > 10,000 mg/L/96h  
NOEC Danio rerio (zebrafish): 250 mg/L/120h (OECD 212)  
Daphnia toxicity:  
EC50 Ceriodaphnia dubai (freshwater): 5,012 mg/L/48h  
EC50 Daphnia magna (Big water flea): >100 mg/L/96h  
Algae toxicity:  
EC50 Chlorella vulgaris (freshwater) (growth rate): 275 mg/L/72h (OECD201)  
NOEC Chlorella vulgaris (freshwater), (growth rate): 11.5 mg/L/72h (OECD201)  
EC50 Heterosigma akashiwo (marine water), (growth rate): 1,970 mg/L/96h

### 12.2 Persistence and degradability

Further details: Product is readily biodegradable.

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:  
No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 07 01 04\* = Other organic solvents, washing liquids and mother liquors  
\* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.  
Do not dispose of with household waste.

#### Contaminated packaging

Recommendation: Handle empty containers with care. Incineration may cause explosion.  
Dispose of waste according to applicable legislation.  
Handle contaminated packages in the same way as the substance itself.  
Non-contaminated packages may be recycled.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



## STERILE SANITISER

Material number 014822

Revision date: 6/7/2020  
Version: 2

Language: en-GB,IE

Date of print: 7/7/2020  
Page: 10 of 12

### SECTION 14: Transport information

#### 14.1 UN number

ADR/RID, IMDG, IATA-DGR:

UN 1170

#### 14.2 UN proper shipping name

ADR/RID, IMDG: UN 1170, ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

IATA-DGR: UN 1170, ETHANOL SOLUTION

#### 14.3 Transport hazard class(es)

ADR/RID: Class 3, Code: F1

IMDG: Class 3, Subrisk -

IATA-DGR: Class 3



#### 14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

II

#### 14.5 Environmental hazards

Marine pollutant: no

#### 14.6 Special precautions for user

##### Land transport (ADR/RID)

Warning board: ADR/RID: Kemmler-number 33, UN number UN 1170

Hazard label: 3

##### Sea transport (IMDG)

EmS: F-E, S-D

Segregation group: none

##### Air transport (IATA)

Hazard label: Flamm. liquid

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

No data available

### SECTION 15: Regulatory information

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

##### National regulations - Great Britain

Hazchem-Code: •2YE

No data available

##### National regulations - EC member states

Volatile organic compounds (VOC):

75 % by weight

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



## STERILE SANITISER

Material number 014822

Revision date: 6/7/2020  
Version: 2

Language: en-GB,IE

Date of print: 7/7/2020  
Page: 11 of 12

### Labelling of packaging with $\leq$ 125mL content



Signal word:

**Danger**

Hazard statements: not applicable

Precautionary Statements:

P102 Keep out of reach of children.

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3,40

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: P5c

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

### Further information

Wording of the H-phrases under paragraph 2 and 3:

H225 = Highly flammable liquid and vapour.

H271 = May cause fire or explosion; strong oxidiser.

H302 = Harmful if swallowed.

H314 = Causes severe skin burns and eye damage.

H318 = Causes serious eye damage.

H319 = Causes serious eye irritation.

H332 = Harmful if inhaled.

H335 = May cause respiratory irritation.

H412 = Harmful to aquatic life with long lasting effects.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



## STERILE SANITISER

Material number 014822

Revision date: 6/7/2020  
Version: 2

Language: en-GB,IE

Date of print: 7/7/2020  
Page: 12 of 12

### Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
OEL: Occupational Exposure Limit Value  
AS/NZS: Australian Standards/New Zealand Standards  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
EC50: Effective Concentration 50%  
EC: European Community  
EN: European Standard  
EU: European Union  
IATA: International Air Transport Association  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IMDG Code: International Maritime Dangerous Goods Code  
LC50: Median lethal concentration  
LD50: Lethal dose 50%  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
NOEC: No Observed Effect Concentration  
OECD: Organisation for Economic Co-operation and Development  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail  
STOT SE: Specific target organ toxicity - single exposure  
TLV: Threshold Limit Value  
UN: United Nations  
vPvB: Very persistent and very bioaccumulative  
WEL: Workplace Exposure Limit

Reason of change: Changes in section 1: Details of the supplier of the safety data sheet  
Date of first version: 10/6/2020

### Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.