Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance

Safety Data Sheet 50023 / P/N 3484
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 07/09/2014 Revision date: 12/12/2017 Supersedes: 01/04/2016 Version: 1.2

SECTION 1: Identification

1.1. Identification
Product form : Mixtures
Product name : Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance
Product code : Calgaz

1.2. Recommended use and restrictions on use
Use of the substance/mixture : Test gas/Calibration gas.

1.3. Supplier
U.S. Supplier:  Industrial Scientific Corporation
1 Life Way
Pittsburgh, PA  15205-7500
Phone (412) 788-4353
TOLL-FREE 800-DETECTS
Fax (412) 788-8353

MANUFACTURER:  CALGAZ
821 Chesapeake Drive
Cambridge, MD 21613

1.4. Emergency telephone number
Emergency number : CHEMTREC:  1-800-424-9300
Internationally: 1-703-527-3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS US classification
Gases under pressure H280 Contains gas under pressure; may explode if heated
Compressed gas
Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements
GHS US labeling
Hazard pictograms (GHS US) :

Signal word (GHS US) : Warning
Hazard statements (GHS US) : H280 - Contains gas under pressure; may explode if heated
CGA-HG24 - Supports combustion
Precautionary statements (GHS US) : P202 - Do not handle until all safety precautions have been read and understood.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear eye protection, face protection, protective gloves, protective clothing.
P403 - Store in a well-ventilated place.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations
CGA-PG02 - Protect from sunlight when ambient temperature exceeds 52°C/125 °F
CGA-PG05 - Use a back flow preventive device in the piping
CGA-PG06 - Close valve after each use and when empty
CGA-PG10 - Use only with equipment rated for cylinder pressure
CGA-PG14 - Approach suspected leak area with caution
Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance
Safety Data Sheet

2.3. Other hazards which do not result in classification
No additional information available

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen</td>
<td>(CAS-No.) 7727-37-9</td>
<td>76.45 - 80.4999</td>
<td>Press. Gas (Comp.), H280</td>
</tr>
<tr>
<td>Oxygen</td>
<td>(CAS-No.) 7782-44-7</td>
<td>19.5 - 23.5</td>
<td>Ox. Gas 1, H270, Press. Gas (Comp.), H280</td>
</tr>
<tr>
<td>Ammonia</td>
<td>(CAS-No.) 7664-41-7</td>
<td>0.0001 - 0.05</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

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

SECTION 4: First-aid measures

4.1. Description of first aid measures
First-aid measures after inhalation : Adverse effects not expected from this product.
First-aid measures after skin contact : Adverse effects not expected from this product.
First-aid measures after eye contact : Adverse effects not expected from this product.
First-aid measures after ingestion : Ingestion is not considered a potential route of exposure.

4.2. Most important symptoms and effects (acute and delayed)
Symptoms/effects after inhalation : Adverse effects not expected from this product.
Symptoms/effects after skin contact : Adverse effects not expected from this product.
Symptoms/effects after eye contact : Adverse effects not expected from this product.
Symptoms/effects after ingestion : Ingestion is not considered a potential route of exposure.
Symptoms/effects upon intravenous administration : Not known.
Most important symptoms and effects, both acute and delayed : No effect on living tissue. Refer to section 11.
Chronic symptoms : Adverse effects not expected from this product.

4.3. Immediate medical attention and special treatment, if necessary
If you feel unwell, seek medical advice. If breathing is difficult, give oxygen.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media
Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : Do not use water jet to extinguish.

5.2. Specific hazards arising from the chemical
Fire hazard : The product is not flammable.
Explosion hazard : Product is not explosive. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Reactivity : None known.
Hazardous combustion products : None.

5.3. Special protective equipment and precautions for fire-fighters
Firefighting instructions : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Protection during firefighting : Standard protective clothing and equipment (e.g., Self Contained Breathing Apparatus) for fire fighters. Do not enter fire area without proper protective equipment, including respiratory protection.
Specific methods : Exposure to fire may cause containers to rupture/explode. Continue water spray from protected position until container stays cool. Move containers away from the fire area if this can be done without risk.
Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Ensure adequate ventilation.

6.1.1. For non-emergency personnel

Protective equipment: Wear protective equipment consistent with the site emergency plan.

6.1.2. For emergency responders

Protective equipment: Standard protective clothing and equipment (e.g., Self Contained Breathing Apparatus) for fire fighters. Equip cleanup crew with proper protection.
Emergency procedures: Evacuate and limit access. Ventilate area.

6.2. Environmental precautions

Try to stop release if without risk.

6.3. Methods and material for containment and cleaning up

For containment: Try to stop release if without risk.
Methods for cleaning up: Dispose of contents/container in accordance with local/regional/national/international regulations.
Methods and material for containment and cleaning up: None.

6.4. Reference to other sections

See also Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed: Pressurized container: Do not pierce or burn, even after use. Use only with equipment rated for cylinder pressure. Close valve after each use and when empty.
Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area.
Safe handling of the gas receptacle: Protect cylinders from physical damage; do not drag, roll, slide or drop. Do not remove or deface labels provided by the supplier for the identification of the cylinder contents.
Safe use of the product: Only experienced and properly instructed persons should handle gases under pressure. Consider pressure relief device(s) in gas installations. Ensure the complete gas system was (or is regularly) checked for leaks before use. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt.
Hygiene measures: Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.
Storage conditions: Do not expose to temperatures exceeding 52 °C/ 125 °F. Keep container closed when not in use. Protect cylinders from physical damage; do not drag, roll, slide or drop. Store in a well-ventilated area.
Incompatible products: None known.
Incompatible materials: Flammable materials.
Conditions for safe storage, including any incompatibilities: Observe all regulations and local requirements regarding storage of containers. Containers should not be stored in conditions likely to encourage corrosion. Container valve guards or caps should be in place. Containers should be stored in the vertical position and properly secured to prevent them from falling over. Stored containers should be periodically checked for general condition and leakage. Keep container below 50°C in a well-ventilated place. Store containers in location free from fire risk and away from sources of heat and ignition. Keep away from combustible materials.
Storage area: Store away from heat. Store in a well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Nitrogen (7727-37-9)</th>
<th>ACGIH</th>
<th>Local name</th>
<th>Nitrogen</th>
</tr>
</thead>
</table>

11/21/2018 EN (English US) SDS ID: 50023 / P/N 3484 3/9
### Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Nitrogen (7727-37-9)</th>
<th>ACGIH</th>
<th>Remark (ACGIH)</th>
<th>Simple Asphyxiant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen (7782-44-7)</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ammonia (7664-41-7)</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 8.2. Appropriate engineering controls

Appropriate engineering controls: Ensure exposure is below occupational exposure limits (where available). Provide adequate general and local exhaust ventilation. Systems under pressure should be regularly checked for leakages. Consider the use of a work permit system e.g. for maintenance activities.

Environmental exposure controls: Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste gas treatment.

#### 8.3. Individual protection measures/Personal protective equipment

**Hand protection:**
Wear working gloves when handling gas containers. 29 CFR 1910.138: Hand protection

**Eye protection:**
Wear safety glasses with side shields. 29 CFR 1910.133: Eye and Face Protection

**Skin and body protection:**
Wear suitable protective clothing, e.g. lab coats, coveralls or flame resistant clothing.

**Respiratory protection:**
None necessary during normal and routine operations. See Sections 5 & 6.

**Thermal hazard protection:**
None necessary during normal and routine operations.

**Other information:**

### SECTION 9: Physical and chemical properties

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

- **Physical state:** Gas
- **Appearance:** Clear, colorless gas.
- **Color:** Colorless
- **Odor:** Irritating/pungent odor
- **Odor threshold:** No data available
- **pH:** No data available
- **Melting point:** No data available
- **Freezing point:** No data available
- **Boiling point:** No data available
- **Flash point:** No data available
- **Relative evaporation rate (butyl acetate=1):** No data available
- **Flammability (solid, gas):** Non flammable.
- **Vapor pressure:** No data available
- **Relative vapor density at 20 °C:** No data available
- **Relative density:** No data available
- **Relative gas density:** Similar to air
- **Solubility:** Water: No data available
- **Log Pow:** Not applicable for gas-mixtures.
- **Auto-ignition temperature:** No data available
Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

11/21/2018 EN (English US) SDS ID: 50023 / P/N 3484 5/9

| Decomposition temperature | No data available |
| Viscosity, kinematic       | No data available |
| Viscosity, dynamic         | No data available |
| Explosion limits           | No data available |
| Explosive properties       | Not applicable (non-flammable gas). |
| Oxidizing properties       | Supports combustion. |

9.2. Other information

Gas group : Compressed gas

SECTION 10: Stability and reactivity

10.1. Reactivity

None known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Can form explosive mixtures with flammable materials.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Flammable materials.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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 |

<table>
<thead>
<tr>
<th>Nitrogen (7727-37-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 inhalation rat (ppm)</td>
</tr>
<tr>
<td>ATE US (gases)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oxygen (7782-44-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 inhalation rat (ppm)</td>
</tr>
<tr>
<td>ATE US (gases)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ammonia (7664-41-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 inhalation rat (ppm)</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
</tr>
<tr>
<td>Carcinogenicity</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>Specific target organ toxicity – single exposure</td>
</tr>
<tr>
<td>Specific target organ toxicity – repeated exposure</td>
</tr>
<tr>
<td>Aspiration hazard</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
</tr>
<tr>
<td>Symptoms/effects after inhalation</td>
</tr>
<tr>
<td>Symptoms/effects after skin contact</td>
</tr>
</tbody>
</table>
# Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Symptoms/effects after eye contact</th>
<th>: Adverse effects not expected from this product.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symptoms/effects after ingestion</td>
<td>: Ingestion is not considered a potential route of exposure.</td>
</tr>
<tr>
<td>Symptoms/effects upon intravenous administration</td>
<td>: Not known.</td>
</tr>
<tr>
<td>Most important symptoms and effects, both acute and delayed</td>
<td>: No effect on living tissue. Refer to section 11.</td>
</tr>
<tr>
<td>Chronic symptoms</td>
<td>: Adverse effects not expected from this product.</td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

#### 12.1. Toxicity

| Ecology - general | : No ecological damage caused by this product. |

#### 12.2. Persistence and degradability

| Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance | Persistence and degradability | : No data available. |
| Nitrogen (7727-37-9) | Persistence and degradability | : No ecological damage caused by this product. |
| Oxygen (7782-44-7) | Persistence and degradability | : No ecological damage caused by this product. |

#### 12.3. Bioaccumulative potential

| Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance | Log Pow | : Not applicable for gas-mixtures. |
| Log Kow | : Not applicable for gas-mixtures. |
| Bioaccumulative potential | : No data available. |
| Bioaccumulative potential | : No ecological damage caused by this product. |
| Oxygen (7782-44-7) | Log Pow | : Not applicable for inorganic products. |
| Bioaccumulative potential | : No ecological damage caused by this product. |

#### 12.4. Mobility in soil

| Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance | Mobility in soil | : No data available |
| Nitrogen (7727-37-9) | Ecology - soil | : No ecological damage caused by this product. |
| Oxygen (7782-44-7) | Ecology - soil | : No ecological damage caused by this product. |

#### 12.5. Other adverse effects

| Effect on ozone layer | : No known effects from this product. |
| Effect on global warming | : No known effects from this product. |

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

| Waste treatment methods | : Contact supplier if guidance is required. Do not discharge into any place where its accumulation could be dangerous. Ensure that the emission levels from local regulations or operating permits are not exceeded. |
| Product/Packaging disposal recommendations | : Refer to the CGA Pamphlet P-63 "Disposal of Gases" available at www.cganet.com for more guidance on suitable disposal methods. |
Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT

Transport document description : UN1956 Compressed gas, n.o.s. (Nitrogen, Oxygen), 2.2
UN-No. (DOT) : UN1956
Proper Shipping Name (DOT) : Compressed gas, n.o.s.
Class (DOT) : 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115
Hazard labels (DOT) : 2.2 - Non-flammable gas

DOT Packaging Non Bulk (49 CFR 173.xxx) : 302;305
DOT Packaging Bulk (49 CFR 173.xxx) : 314;315
DOT Symbols : G - Identifies PSN requiring a technical name
DOT Packaging Exceptions (49 CFR 173.xxx) : 306;307
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg
DOT Vessel Stowage Location : A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.
Other information : No supplementary information available.
Special transport precautions : Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers:
- Ensure there is adequate ventilation. - Ensure that containers are firmly secured. - Ensure cylinder valve is closed and not leaking. - Ensure valve outlet cap nut or plug (where provided) is correctly fitted. - Ensure valve protection device (where provided) is correctly fitted.

Transportation of Dangerous Goods

Transport document description : UN1956 Compressed gas, n.o.s., 2.2
UN-No. (TDG) : UN1956
Proper Shipping Name : Compressed gas, n.o.s.
TDG Primary Hazard Classes : 2.2 - Class 2.2 - Non-Flammable, Non-Toxic Gas.

Transport by sea

Transport document description : UN 1956 Compressed gas, n.o.s., 2
UN-No. (IMDG) : 1956
Proper Shipping Name (IMDG) : Compressed gas, n.o.s.
Class (IMDG) : 2 - Gases
Limited quantities (IMDG) : 120 ml

Air transport

Transport document description : UN 1956 Compressed gas, n.o.s., 2.2
UN-No. (IATA) : 1956
Proper Shipping Name (IATA) : Compressed gas, n.o.s.
Class (IATA) : 2

SECTION 15: Regulatory information

15.1. US Federal regulations

Nitrogen (7727-37-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Component</th>
<th>State or local regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen (7782-44-7)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Ammonia (7664-41-7)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

15.2. International regulations

CANADA

Nitrogen (7727-37-9)
Listed on the Canadian DSL (Domestic Substances List)

Oxygen (7782-44-7)
Listed on the Canadian DSL (Domestic Substances List)

Ammonia (7664-41-7)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Nitrogen (7727-37-9)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Oxygen (7782-44-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Nitrogen (7727-37-9)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed onPICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

Oxygen (7782-44-7)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

<table>
<thead>
<tr>
<th>Component</th>
<th>State or local regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen(7727-37-9)</td>
<td>U.S. - Massachusetts - Right To Know List</td>
</tr>
<tr>
<td></td>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td></td>
<td>U.S. - Pennsylvania - RTK (Right to Know) List</td>
</tr>
<tr>
<td>Oxygen(7782-44-7)</td>
<td>U.S. - Massachusetts - Right To Know List</td>
</tr>
<tr>
<td></td>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td></td>
<td>U.S. - Pennsylvania - RTK (Right to Know) List</td>
</tr>
<tr>
<td>Ammonia(7664-41-7)</td>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td></td>
<td>U.S. - Pennsylvania - RTK (Right to Know) List</td>
</tr>
</tbody>
</table>

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 12/12/2017
Other information : This Safety Data Sheet is offered pursuant to OSHA’s Hazard Communication Standard, 29 CFR, 1910.1200. Other government regulations must be reviewed for applicability to this product.
**Oxygen (19.5 - 23.9%), Ammonia (0.0001 - 0.05%) in Nitrogen Balance**

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Full text of H-phrases:

<table>
<thead>
<tr>
<th>H-phrase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H270</td>
<td>May cause or intensify fire; oxidizer</td>
</tr>
<tr>
<td>H280</td>
<td>Contains gas under pressure; may explode if heated</td>
</tr>
</tbody>
</table>

**SDS US (GHS HazCom 2012)**

This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR, 1910.1200. Other government regulations must be reviewed for applicability to this gas mixture. To the best of Calgaz's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either express or implied, are provided. The information contained herein relates only to this specific product. If this gas mixture is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.