

CoCheck™

Safety Data Sheet

Date of issue: 05/28/2015

Revision date: 05/28/2015

Version: 1.0

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

1.1. Product identifier

Product name : CoCheck™
Product code : FG # 16501

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

Use of the substance/mixture : Checking the operation of carbon monoxide detector

1.3. Details of the supplier of the safety data sheet

HSI Fire and Safety Group, LLC
107 Garlisch Drive
Elk Grove Village, IL - U.S.A.
T +1 (847) 427-8340 - F +1 (847) 427-8343
tbarakat@homesafeguard.com

1.4. Emergency telephone number

Emergency number : CHEMTREC 1 (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Gases Under Pressure - Compressed Gas
Reproductive toxicity 1A

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS04

Signal word (GHS-US) :

Caution

Hazard statements (GHS-US) :

Contains gas under pressure; may explode if heated.

Precautionary statements (GHS-US) :

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice. Protect from sunlight. Store in a well-ventilated place. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Carbon monoxide	(CAS No) 630-08-0	0.10-0.25	Flam. Gas 1 Compressed gas Acute Tox. 3 (Inhalation:gas) Repr. 1A STOT RE 1

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : None required when used as directed.

First-aid measures after skin contact

First-aid measures after eye contact

First-aid measures after ingestion

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

Symptoms/injuries after inhalation : No effect when used as directed.

Symptoms/injuries after skin contact

Symptoms/injuries after eye contact

Symptoms/injuries after ingestion

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

: None required when used as directed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Treat for surrounding material.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Non-flammable. May include, and are not limited to: oxides of carbon.

Explosion hazard : Heat may build pressure, rupturing closed containers.

5.3. Advice for firefighters

Protection during firefighting : Not applicable.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : In a warehouse fire isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

6.2. Methods and material for containment and cleaning up

For containment : Stop leak if safe to do so. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks).

Methods for cleaning up : Provide ventilation.

6.3. Reference to other sections

See section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Pressurized container: Do not pierce or burn, even after use. Container may explode if heated. When using do not eat, drink or smoke. Use only in well-ventilated areas.

Hygiene measures : Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store away from direct sunlight or other heat sources. Store in a dry, cool and well-ventilated area.

7.3. Specific end use(s)

TESTING OF CO DETECTORS

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Carbon monoxide (630-08-0)		
ACGIH	ACGIH TWA (ppm)	25 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	55 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	50 ppm

8.2. Exposure controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : None required.

Eye protection : Safety glasses or goggles are recommended when using product.

Skin and body protection : None required.

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 : Maintain levels below Community environmental protection thresholds.

Other information : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state : Gas/Pressurized Liquid

Appearance : Clear

Color : Colorless

Odor : Odorless

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 (water=1) : > 1

Flammability (solid, gas) : Not flammable

Explosive limits : No data available

Explosive properties : No data available

Oxidising properties : No data available

Vapor pressure : 49 psi @ 21 °C (70 °F)

Relative density : No data available

Relative vapor density : > 1 (Air = 1)

Solubility : Insoluble.

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

Log Kow : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available

CoCheck™

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

9.2. Other information

VOC content : None
Percent Volatile, wt. % : < 100

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Incompatible materials. Sources of ignition. Direct sunlight.

10.5. Incompatible materials

Strong oxidizing agents. Strong reducing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Non-flammable.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified.

CoCheck™	
LD50 oral rat	No data available
LD50 dermal rabbit	No data available
LC50 inhalation rat	> 20000 ppm/4h

Carbon monoxide (630-08-0)	
LC50 inhalation rat	1807 ppm/4h

Skin corrosion/irritation : Based on available data, the classification criteria are not met.
Serious eye damage/irritation : Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation : Based on available data, the classification criteria are not met.
Germ cell mutagenicity : Based on available data, the classification criteria are not met.
Carcinogenicity : Based on available data, the classification criteria are not met.
Reproductive toxicity : May damage the unborn child.
Specific target organ toxicity (single exposure) : Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure) : Based on available data, the classification criteria are not met.
Aspiration hazard : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : Not applicable.

Symptoms/injuries after skin contact : Not applicable.

Symptoms/injuries after eye contact : Not applicable.

Symptoms/injuries after ingestion : Not applicable.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

CoCheck™

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

12.2. Persistence and degradability

CoCheck™

Persistence and degradability	Not established.
-------------------------------	------------------

12.3. Bioaccumulative potential

CoCheck™

Bioaccumulative potential	Not established.
---------------------------	------------------

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible. Empty cans may be recycled.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

UN-No.(DOT) : UN1950
Proper Shipping Name (DOT) : Aerosols, non-flammable
Department of Transportation (DOT) Hazard Classes : 2.2
Hazard labels (DOT) :



Additional information

Other information : No supplementary information available.
Special transport precautions : Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. US Federal 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.

15.2. US State regulations

CoCheck™

State or local regulations	Not applicable when used as directed.
----------------------------	---------------------------------------

SECTION 16: Other information

Date of issue : May 28, 2015
Other information : None.

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.