

COSHH ASSESSMENT GoSystem Butane-Propane Mix Gas Cartridge





STEP 1 – ASSESSMENT DETAILS

Hazard Control Ref:	CCG-131	Supplier:
Issue Number:	01	Go Gas Ltd. Unit 1 B, East Tame Business Park, Newton, Hyde, Cheshire, SK14 4GX UK www.go-system.co.uk T: +44 (0) 161 367 1315 F: +44 (0) 161 367 1316
Date Completed:	21 January 2025	
Employee Participation and Inv.	Jorge Garcia	
Re-Assessment Due*:	Two years from above date.	
Assessment Completed By:	Health & Safety Manager	Emergency Telephone Number:
		NHS Medical toxicology information service: 111 (24 hours)
		Emergency: 999

STEP 2 – PROCEDURES BEFORE STARTING TASK

Read C.O.S.H.H. Assessment	Training and Knowledge Company safety Site -induction form: F039	Trained Employees with Appropriate PPE Only to Use This Product.	Perform Visual Check of Equipment and Area to be cleaned/ ventilate room	Place Warning Signs at Access/Egress Point
✓	✓	✓	✓	✓

STEP 3 – PRODUCT SUMMARY

Product: Name:	GoSystem Butane-Propane Mix Gas Cartridge	Symbol:	 
Container Size:	350g	Is There a Safer Alternative?	No
Physical Properties:	Petroleum Gases, Liquefied, Colourless	Emergency Fire Procedures:	The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.
Product Use:	Fuel	Typical Duration of Use:	10 mins
Hazard Classification:	H220 Extremely flammable gas.	Typical Method of Use:	As per manufacturer instructions .

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	H280 Contains gas under pressure; may explode if heated		
Storage:	<p>Store in cool, well ventilated area. Keep away from sources of ignition and oxidising material. Ensure lighting and electrical equipment are not a source of ignition</p> <p>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F</p>	Exposure Limits:	<p>Long Term Exposure Limit (TWA): 1000ppm Short-term Exposure Limit (15 Minute): 1250 ppm</p>
Spillage/Accidental Release:	Will evaporate into atmosphere. Ensure area is ventilated & Put on appropriate PPE.	Additional information:	<p>Containers can burst violently or explode when heated, due to excessive pressure</p> <p>Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.</p> <p>NOT ALLOWED TO KEEP STOCK ON SITE III</p>

STEP 4 – TOXICOLOGICAL INFORMATION

EYES:	No specific symptoms known. In the event of an incident leading to contact with the liquid contents: Contact with liquid form may cause frostbite.	INGESTION:	Due to the physical nature of this product, it is unlikely that ingestion will occur
SKIN:	No specific symptoms known. In the event of an incident leading to contact with the liquid contents: Contact with liquid form may cause frostbite.	INHALATION:	No specific symptoms known. Overexposure may cause the following adverse effects: Drowsiness, dizziness, disorientation, vertigo.

STEP 5 – PERSONAL PROTECTIVE EQUIPMENT (PPE) to be used

									
Apron	Face Visor	Safety Glasses	Ear Defenders	Safety Boots	Overall	Fume/Vapour Mask	Dust Mask	Rubber Gloves	Protective Gloves EN1149
		✓							✓



STEP 6 – EMERGENCY, FIRST AID & DISPOSAL MEASURES

EYES:	In the event of an incident leading to contact with the liquid contents: Rinse with water. Get medical attention if any discomfort continues..	INGESTION:	Remove person to fresh air and keep comfortable for breathing. Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell.
SKIN:	In the event of an incident leading to contact with the liquid contents: Rinse with water. Thaw frosted parts with lukewarm water. Do not rub affected area..	INHALATION:	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
DISPOSAL ARRANGEMENTS:			
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority			

STEP 7 – RISK ASSESSMENT (Likelihood X Severity = Risk)

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CATEGORY	HAZARD	POTENTIAL HARM	Likelihood	Severity	Risk before Controls	Risk After Controls	COMMENTS
STORAGE	UNLOCKED STORES / OPEN BOTTLES / SPILLAGES/ ACCIDENTAL MIXING / FIRE	Contact / Absorption / Inhalation / Ingestion Operatives / Occupiers / visitors Producing toxic gas when cause on fire Very Flamible- can burst if heated	2	5	10	5	H&S Induction training and awarness Lock stores and cupboards Use only on approved sites Not allowed to stock on site Reporting and monitoring in place Toolbox talk programme in place Competent supervision Trained operatives / PPE First Aiders in Place
HANDLING	Inhalation, Ingestion, Absorption, Direct entry Contact	Frost bite can occure if gas is put directly on skin Eye Irritation or damage	3	4	12	4	COSHH Assessment MUST be When Handling and using across sites Relevant PPE must be worn whilst using , Induction form signed, competent Supervision Product Guides & Technical info available on site as wall charts (Pictograms), Material data sheet and coshh Toolbox talks and safety briefings to highlight awareness.
DURING USE	Inhalation, Ingestion, Absorption, Direct entry Contact, poor ventilation	skin contact- irritation on skin exposure may result in frostbite on the skin Wheezing from inhalation	3	4	12	4	Short use / duration, reporting any abnormalities No eating or drinking inforce and supervised Suitable gloves and eye protection should be worn to protect from chemicals. Toolbox talks and safety briefings to highlight awareness H&S Site Induction and refresh training in place In poor ventilated areas and depending on the sensitivity of the person respiratory protection will be issued.
During use	Poor ventilation and inhalation	Drowsiness, dizziness, disorientation, vertigo, fainting	2	3	6	3	First Aiders in Place Not to be used in poorly ventalated areas Toolbox in place Training before use of product No eating drinking or smoking around this product Operatives with respitory issues are not allowed to use this product To be kept away from away from heat, hot surfaces, sparks, open flames and other ignition sources.

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OVERALL RISK RATING BEFORE CONTROL: 10	Very Low	Low	Medium	High	COMMENTS
			✓		
OVERALL RISK RATING AFTER CONTROL: 4	Very Low	Low	Medium	High	
	✓				

<p>LIKELIHOOD</p> <p>1. IMPROBABLE OCCURRENCE</p> <p>2. REMOVED OCCURRENCE</p> <p>3. REASONABLY PROBABLE OCCURRENCE</p> <p>4. VERY LIKELY OCCURRENCE</p> <p>5. ALMOST CERTAIN OCCURRENCE</p>	<p>SEVERITY</p> <p>1. SLIGHT: NO INJURY or Injury requiring first Aid treatment</p> <p>2. MINOR: INJURY requiring medical treatment with absence from 3 days to 3 weeks</p> <p>3. MODERATE: Injury illness resulting in temporary disability (eg. fractures) and absence over 3 weeks</p> <p>4. SERIOUS: Severe injury or permanent disability (e.g loss of limb, sight) property and equipment damage</p> <p>5. MAJOR: Immediate danger exist, capable of causing death, loss or damage on a wide scale and serious business disruption (e.g. Explosion, fire, structural damage, etc.)</p>	<p>INTERPRETATION</p> <p>4 and below very Low risk = No further action, but ensure controls are maintained an review</p> <p>5 to 8 Low risk = Risk Can be tolerated or for only short term. Plan introduction of measures with a define time period</p> <p>9 to 15 Medium Risk = Planned and introduce further control measures to mitigate the risk within a time scale</p> <p>16 and Above = Stop activity and immediate action</p>
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STEP 8 – ADDITIONAL RISK FACTORS

New or Un-Trained Employees	Pregnant Women	Visitors/Contractors/ Members of The Public	Slip Hazards	Unsafe Handling/Storage
✓	✓	✓		✓

STEP 9 – HEALTH SURVEILLANCE & MONITORING

<p>Arrangements for monitoring compliance (including maintenance of control measures):</p>	<ul style="list-style-type: none"> • Ongoing training • Tool-box-talks • Presentations (via tablets on-site or DVD at offices) • Quality & Health/Safety site inspections • Auditing process • Management monitoring
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STEP 10 – ASSESSMENT FOLLOW UP & REVIEW

Following this assessment:	Review of assessment:
<p>Employees/workers must have been informed of:</p> <ul style="list-style-type: none"> • The names of substances they may be exposed to; • The risks to health created by exposure; • Any relevant occupational exposure standard, maximum exposure limit or similar self-imposed (in-house) work standard that applies to the substance; • Any information contained on any Safety Data Sheet which relates to the substance; 	<p>This assessment must be reviewed/updated:</p> <ul style="list-style-type: none"> • As part of planned review • If alternative cleaning product/substances are used • If alternative methods or processes are used • Upon client request • Changes to the COSHH, and other relevant, regulations • After consultation with workers or other interested parties



<ul style="list-style-type: none">• The significant findings of this assessment;• What precautions to take to protect themselves and others;• The results of any health surveillance; and• The results of any monitoring of exposure.	<ul style="list-style-type: none">• After an accident, incident, near miss or dangerous occurrence
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