

## M52

Joint Service Chemical Environmental Survivability Mask (JSCESM)

### Lightweight, Above the Neck Protection Against Low-Level Threat CBRN Attacks

The Gentex M52 JSCESM is a lightweight, low bulk protective mask/hood capable of providing above the neck, respiratory and ocular protection against low-level threat Chemical, Biological, Radiological and Nuclear (CBRN) attacks, for short durations. The M52 JSCESM defends users against non-direct hazards, such as chemical vapors, fumes, and airborne biological and radiological particulate hazards.



### KEY FEATURES

- U.S. DoD qualified to provide above the neck, respiratory and ocular protection against low-level threat CBRN attacks
- Features a military/tactical design including an opaque hood and no blower/battery.
- Ultra-small stowed volume (4" x 7" x 4.75") for easy storage.
- Weighing less than 1.3 lbs., the lightweight mask is a one-size-fits-all solution when standard issued equipment is not practical.
- Provides more than two hours of continuous protection against low-level vapor, aerosol and particulate threats.
- Capable of operation for 0 to 49° C and between 5% to 100% relative humidity.
- Disposable for one-time use, with a 5-year shelf life.

### SPECIFICATIONS

#### Live Agent Testing

Challenge Agent	Challenge Concentration	Breakthrough Concentration	Service Time Until Breakthrough (Minutes)
Sarin (GB)	Ct = 10,000-15,000 mg-min/m <sup>3</sup>	Ct = 3 mg-min/m <sup>3</sup>	CALL FOR DETAILS
Mustard (HD)	Ct = 1500-3000 mg-min/m <sup>3</sup>	Ct = 50 mg-min/m <sup>3</sup>	

#### Contact Us

Gentex Corporation is dedicated to enhancing personal protection and situational awareness for global defense forces, emergency responders, and industrial personnel operating in high performance environments. To learn more about the Gentex M52 Joint Service Chemical Environmental Survivability Mask (JSCESM), contact Customer Service at [sales@gentexcorp.com](mailto:sales@gentexcorp.com). Like us at [facebook.com/Gentexcorp](https://www.facebook.com/Gentexcorp) or follow us on Twitter @Gentex\_Corp.



## M52-JSCESM

### SPECIFICATIONS (CONTINUED)

#### Cartridge Service Life

Challenge Agent	Challenge Concentration	Breakthrough Concentration	Service Time Until Breakthrough (Minutes)
Cyanogen Chloride (CK)	1000 mg/m <sup>3</sup>	8 mg/m <sup>3</sup>	CALL FOR DETAILS
Sarin (GB)	1000 mg/m <sup>3</sup>	.008 mg/m <sup>3</sup>	
Mustard (HD)	200 mg/m <sup>3</sup>	.04 mg/m <sup>3</sup>	
DMMP	2000 mg/m <sup>3</sup>	CT=70,000 mg-min/m <sup>3</sup>	
Sulfur Dioxide (SO <sub>2</sub> )	750 ppm	5 ppm	
Phosgene	125 ppm	1.25 ppm	
Cyanogen Chloride	150 ppm	2 ppm	
Cyclohexane	1300 ppm	10 ppm	
Chlorine	300 ppm	3 ppm	
Hydrogen Cyanide	470 ppm	10 ppm	
Nitrogen Dioxide	100 ppm	1 ppm (NO <sub>2</sub> )	
Hydrogen Sulfide	500 ppm	30 ppm	
Phosphine	150 ppm	0.5 ppm	

#### Ordering Information

Item Name / Description	Gentex Part Number
M52 JSCESM Hood and Pouch	G052-1040-01
Soft Pouch, Spare	G052-1038-01
Training Hood	G052-4034-01

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