

MATERIAL SAFETY 3M  
 DATA SHEET 3M Center  
 St. Paul, Minnesota  
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DIVISION: OCCUPATIONAL HEALTH & ENVIRON. SAFETY  
 TRADE NAME:  
 3M 8212 N95 Welding Respirator  
 ID NUMBER/U.P.C.:  
 70-0707-0899-8 00-51138-54141-0  
 ISSUED: October 30, 1997  
 SUPERSEDES: INITIAL ISSUE  
 DOCUMENT: 08-3342-6

1. INGREDIENT	C.A.S. NO.	PERCENT
Polypropylene.....	Unknown	30 - 60
Polyester.....	Unknown	15 - 40
Polyisoprene.....	Unknown	7 - 13
Cotton.....	Unknown	7 - 13
Polyvinyl Chloride Foam.....	Unknown	5 - 10
Bromide and Phosphate salts.....	Unknown	3 - 7
Aluminum.....	Unknown	3 - 7
Acrylic emulsion.....	Unknown	3 - 7
Silicone Emulsion.....	Unknown	Trace

2. PHYSICAL DATA

BOILING POINT:..... N/A  
 VAPOR PRESSURE:..... N/A  
 VAPOR DENSITY:..... N/A  
 EVAPORATION RATE:..... N/A  
 SOLUBILITY IN WATER:..... N/A  
 SPECIFIC GRAVITY:..... N/A  
 PERCENT VOLATILE:..... N/A  
 pH:..... N/A  
 VISCOSITY:..... N/A  
 MELTING POINT:..... N/D

APPEARANCE AND ODOR:  
 Non-woven material, White, non-woven respirator shell with aluminum  
 noseclip and yellow headbands. No odor.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... N/A  
FLAMMABLE LIMITS - LEL:..... N/A  
FLAMMABLE LIMITS - UEL:..... N/A  
AUTOIGNITION TEMPERATURE:..... N/A

EXTINGUISHING MEDIA:  
Water, Carbon dioxide, Dry chemical

SPECIAL FIRE FIGHTING PROCEDURES:  
None known.

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
None known.

NFPA HAZARD CODES: HEALTH: 0 FIRE: 1 REACTIVITY: 0  
UNUSUAL REACTION HAZARD: none

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4. REACTIVITY DATA  
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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:  
None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:  
Carbon Monoxide and Carbon Dioxide, Aldehydes, Ketones, Hydrocarbons,  
Methane, Toxic Vapors, Gases or Particulates.

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5. ENVIRONMENTAL INFORMATION  
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SPILL RESPONSE:  
Not applicable.

RECOMMENDED DISPOSAL:  
Dispose of used product by the same method as recommended for the  
disposal of the substance the respirator was used for.

ENVIRONMENTAL DATA:  
Not applicable.

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Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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5. ENVIRONMENTAL INFORMATION (continued)  
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REGULATORY INFORMATION:

Volatile Organic Compounds: N/A.  
VOC Less H2O & Exempt Solvents: N/A.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: No CHRONIC: No

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6. SUGGESTED FIRST AID  
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EYE CONTACT:

No need for first aid is anticipated.

SKIN CONTACT:

No need for first aid is anticipated.

INHALATION:

Not applicable.

IF SWALLOWED:

Not applicable.

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7. PRECAUTIONARY INFORMATION  
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EYE PROTECTION:

Not applicable.

SKIN PROTECTION:

Not applicable.

RECOMMENDED VENTILATION:

Not applicable.

RESPIRATORY PROTECTION:

Not applicable.

PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating.

RECOMMENDED STORAGE:

Keep container dry.

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Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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7. PRECAUTIONARY INFORMATION (continued)  
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FIRE AND EXPLOSION AVOIDANCE:  
Not applicable.

OTHER PRECAUTIONARY INFORMATION:  
This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
Polypropylene.....	NONE	NONE	NONE	NONE	
Polyester.....	NONE	NONE	NONE	NONE	
Polyisoprene.....	NONE	NONE	NONE	NONE	
Cotton.....	NONE	NONE	NONE	NONE	
Polyvinyl Chloride Foam.....	NONE	NONE	NONE	NONE	
Bromide and Phosphate salts.....	NONE	NONE	NONE	NONE	
Aluminum.....	NONE	NONE	NONE	NONE	
Acrylic emulsion.....	NONE	NONE	NONE	NONE	
Silicone Emulsion.....	NONE	NONE	NONE	NONE	

\* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:  
- NONE: None Established

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8. HEALTH HAZARD DATA  
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EYE CONTACT:  
No adverse health effects are expected from eye contact.

SKIN CONTACT:  
No adverse health effects are expected from skin contact.

INHALATION:  
No adverse health effects are expected from inhalation exposure.

IF SWALLOWED:  
Ingestion is not a likely route of exposure to this product.

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Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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