

MATERIAL SAFETY            3M  
 DATA SHEET                3M Center  
                               St. Paul, Minnesota  
                               55144-1000  
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This material safety data sheet (MSDS) is provided as a courtesy  
 in response to a customer request. This product is not regulated  
 under, and a MSDS is not required for this product by the OSHA  
 Hazard Communication Standard (29 CFR 1910.1200) because, when  
 used as recommended or under ordinary conditions, it should not  
 present a health and safety hazard. However, use or processing  
 of the product not in accordance with the product's  
 recommendations or not under ordinary conditions may affect the  
 performance of the product and may present potential health and  
 safety hazards.

DIVISION: OCCUPATIONAL HEALTH & ENVIRON. SAFETY

TRADE NAME:

3M 8512 N95 Welding Respirator

ID NUMBER/U.P.C.:

70-0708-4387-8 00-51138-66298-6

ISSUED: December 07, 1999

SUPERSEDES: February 10, 1999

DOCUMENT: 08-9598-7

1. INGREDIENT	C.A.S. NO.	PERCENT
Polypropylene.....	Unknown	30 - 60
Polyester.....	Unknown	15 - 40
Polyisoprene.....	Unknown	7 - 13
Cotton.....	Unknown	7 - 13
Aluminum.....	Unknown	3 - 7
Bromide and Phosphate salts.....	Unknown	3 - 7
Acrylic emulsion.....	Unknown	3 - 7
Polyvinyl Chloride Foam.....	Unknown	1 - 5
Silicone Emulsion.....	Unknown	0 - 1

2. PHYSICAL DATA

BOILING POINT:..... N/A  
 VAPOR PRESSURE:..... N/A  
 VAPOR DENSITY:..... N/A  
 EVAPORATION RATE:..... N/A

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

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2. PHYSICAL DATA (continued)  
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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.

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

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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.

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.

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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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RECOMMENDED VENTILATION:  
Not applicable.

RESPIRATORY PROTECTION:  
Not applicable.

PREVENTION OF ACCIDENTAL INGESTION:  
Wash hands after handling and before eating.

RECOMMENDED STORAGE:  
Keep container dry.

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	
Aluminum.....	NONE	NONE	NONE	NONE	
Bromide and Phosphate salts.....	NONE	NONE	NONE	NONE	
Acrylic emulsion.....	NONE	NONE	NONE	NONE	
Polyvinyl Chloride Foam.....	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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Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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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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SECTION CHANGE DATES  
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INGREDIENTS                      SECTION CHANGED SINCE February 10, 1999    ISSUE

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