

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

#08606

00-53
2371

MATERIAL SAFETY
DATA SHEET



DIVISION: AUTOMOTIVE TRADES DIVISION
TRADE NAME:
3M WINDO-WELD (TM) Sealer (Part No. 08606)

3M I.D. NUMBER: 62-5207-5209-8

ISSUED: AUGUST 5, 1992
SUPERSEDES: MARCH 6, 1992
DOCUMENT: 10-2767-1

1. INGREDIENT	C.A.S. NO.	PERCENT
CALCIUM CARBONATE	471-34-1	30.0 - 40.0
POLYSULFIDE RUBBER - VENDOR TRADE SECRET (V.T.S.)	TradeSecret	20.0 - 30.0
POLYSULFIDE - VENDOR TRADE SECRET (V.T.S.)	TradeSecret	1.0 - 10.0
HYDROGENATED TERPHENYL	61788-32-7	1.0 - 10.0
ZINC PEROXIDE	1314-22-3	1.0 - 10.0
BARIUM OXIDE	1304-28-5	1.0 - 10.0
TOLUENE	108-88-3	1.0 - 10.0
CARBON BLACK	1333-86-4	1.0 - 10.0
SYNTHETIC RESIN - N.J. Trade Secret (T.S.) Registry No. 04499600-5665P	TradeSecret	1.0 - 10.0

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

ZINC PEROXIDE
BARIUM OXIDE
TOLUENE

2. PHYSICAL DATA

BOILING POINT: 232.00 F (toluene)
VAPOR PRESSURE: 25.1900 mmHg @ 68F
VAPOR DENSITY: 3.14 Air = 1
EVAPORATION RATE: 4.50 Ether = 1
SOLUBILITY IN WATER: Nil
SP. GRAVITY: 1.750 Water = 1
PERCENT VOLATILE: ca. 2.00 % by wt
VOLATILE ORGANICS: 33 gms/liter SAQMD Rule 443.1, calculated
VOC LESS H2O & EXEMPT SOLVENT: 33 gms/liter SAQMD Rule 443.1, calculated
pH: N/D
VISCOSITY: N/D
MELTING POINT: N/D
APPEARANCE AND ODOR: medium paste, black, sweet solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
FLAMMABLE LIMITS - LEL: 1.27 % by vol
FLAMMABLE LIMITS - UEL: 7.00 % by vol

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

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

00-53
2372

MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M WINDO-WELD (TM) Sealer (Part No. 08606)
AUGUST 5, 1992

PAGE: 2 of 5

3. FIRE AND EXPLOSION HAZARD DATA (continued)

AUTOIGNITION TEMPERATURE: ... N/D

EXTINGUISHING MEDIA:

Water, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers exposed to heat from fire may build pressure and explode.

NFPA-HAZARD-CODES: HEALTH 2 FIRE 1 REACTIVITY 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

Not applicable.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide Oxides of Sulfur Toxic Vapors, Gases or Particulates

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Collect spilled material. Place in a U.S. DOT-approved container and seal.

RECOMMENDED DISPOSAL:

Incinerate large quantities in a permitted hazardous waste incinerator. Dispose of waste product in a facility permitted to accept chemical waste.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Since regulations vary, consult applicable regulations or authorities before disposal.

U.S. EPA Hazardous waste No. = D005 (Barium).

SARA HAZARD CLASS:

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

MATERIAL SAFETY
 DATA SHEET



MSDS: 3M WINDO-WELD (TM) Sealer (Part No. 08606)
 AUGUST 5, 1992

PAGE: 3 of 5

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact.

SKIN PROTECTION:

Avoid skin contact..

VENTILATION PROTECTION:

Use in a well-ventilated area.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of vapors..

PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating. Do not ingest.

RECOMMENDED STORAGE:

Keep container closed when not in use. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed.

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
CALCIUM CARBONATE	10	mg/m ³	TWA	ACGIH
POLYSULFIDE RUBBER - VENDOR TRADE SECRET (V.T.S.)	NONE	NONE	NONE	NONE
POLYSULFIDE - VENDOR TRADE SECRET (V.T.S.)	NONE	NONE	NONE	NONE
HYDROGENATED TERPHENYL	0.5	ppm	TWA	ACGIH
HYDROGENATED TERPHENYL	4.9	mg/m ³	TWA	ACGIH
HYDROGENATED TERPHENYL	0.5	ppm	TWA	OSHA

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

3M General Offices
 3M Center
 St. Paul, Minnesota 55144-1000
 612/733-1110
 Duns No.: 00-617-3082

00-53
 2374

MATERIAL SAFETY
 DATA SHEET



MSDS: 3M WINDO-WELD (TM) Sealer (Part No. 08606)
 AUGUST 5, 1992

PAGE: 4 of 5

7. PRECAUTIONARY INFORMATION (continued)

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
HYDROGENATED TERPHENYL	5	mg/m3	TWA	OSHA	
ZINC PEROXIDE	NONE	NONE	NONE	NONE	
BARIUM OXIDE	0.5	mg/m3	TWA	ACGIH	
	as Ba				
BARIUM OXIDE	0.5	mg/m3	TWA	OSHA	
	as Ba				
TOLUENE	50	ppm	TWA	ACGIH	Y
TOLUENE	147	mg/m3	TWA	ACGIH	Y
TOLUENE	100	ppm	TWA	OSHA	
TOLUENE	375	mg/m3	TWA	OSHA	
TOLUENE	150	ppm	STEL	OSHA	
TOLUENE	560	mg/m3	STEL	OSHA	
CARBON BLACK	3.5	mg/m3	TWA	ACGIH	
CARBON BLACK	3.5	mg/m3	TWA	OSHA	
SYNTHETIC RESIN - N.J. Trade Secret (T.S.) Registry No. 04499600-5665P	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:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

INHALATION:

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Inhalation of barium oxide has been shown to cause a benign lung condition (baritosis). Exposure to barium oxide dust is unlikely

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

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

00-53
2375

MATERIAL SAFETY
DATA SHEET



MSDS: 3M WINDO-WELD (TM) Sealer (Part No. 08606)
AUGUST 5, 1992

PAGE: 5 of 5

8. HEALTH HAZARD DATA (continued)

because the chemical is bound in this product.

IF SWALLOWED:

Ingestion may cause:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

TOLUENE (108-88-3) is a potential developmental hazard, causing retardation of skeletal development and reduction of fetal weight by the inhalation route of exposure in laboratory studies.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE	MARCH 6, 1992	ISSUE
INGREDIENTS	SECTION CHANGED SINCE	MARCH 6, 1992	ISSUE
FIRE & EXP. DATA	SECTION CHANGED SINCE	MARCH 6, 1992	ISSUE
REACTIVITY DATA	SECTION CHANGED SINCE	MARCH 6, 1992	ISSUE
ENVIRON. DATA	SECTION CHANGED SINCE	MARCH 6, 1992	ISSUE
FIRST AID	SECTION CHANGED SINCE	MARCH 6, 1992	ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	MARCH 6, 1992	ISSUE
HEALTH HAZD. DATA	SECTION CHANGED SINCE	MARCH 6, 1992	ISSUE

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

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.