

MATERIAL SAFETY
DATA SHEET

Copyright, 1999, Minnesota Mining and Manufacturing Company.
All rights reserved. Copying and/or downloading of this information for
the purpose of properly utilizing 3M products is allowed provided that:

- 1) the information is copied in full with no changes unless prior agreement is obtained from 3M, and
- 2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

DIVISION: AUTOMOTIVE AFTERMARKET

TRADE NAME:

3M(TM) Ultrapro(TM) Autobody Sealant - Clear, P.N. 08302

ID NUMBER/U.P.C.: 60-9800-2708-4 00-51135-08302-4 62-5508-2610-1 00-51135-08302-4

ISSUED: DECEMBER 17, 1999

SUPERSEDES: OCTOBER 1, 1998

DOCUMENT: 11-4206-6

1. INGREDIENT	C.A.S. NO.	PERCENT		
TOLUENE	108-88-3	15.0	-	40.0
STYRENE/ALPHA-METHYLSTYRENE COPOLYMER	9011-11-4	10.0	-	30.0
HYDROCARBONS, C6-20, POLYMERS, HYDROGENATED	69430-35-9	10.0	-	30.0
WHITE MINERAL OIL (PETROLEUM)	8042-47-5	7.0	-	13.0
HYDROGENATED STYRENE-BUTADIENE POLYMER	66070-58-4	7.0	-	13.0
SYNTHETIC AMORPHOUS SILICA, FUMED, CRYSTALLINE FREE	112945-52-5	3.0	-	7.0
XYLENE	1330-20-7	1.0	-	5.0
ETHYLBENZENE	100-41-4	<	<	0.5

NOTE: The components of this product are in compliance with the chemical notification requirements of TSCA. All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS.

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372:

TOLUENE
XYLENE
ETHYLBENZENE

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

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

MATERIAL SAFETY
DATA SHEETMSDS: 3M(TM) Ultrapro(TM) Autobody Sealant - Clear, P.N. 08302
DECEMBER 17, 1999

PAGE: 2 of 6

2. PHYSICAL DATA (continued)

SOLUBILITY IN WATER: Nil
 SP. GRAVITY:..... 0.980 Water = 1
 PERCENT VOLATILE: 36 % by wt
 pH: N/D
 VISCOSITY: ca. 450000.0 CPS
 MELTING POINT..... N/D
 APPEARANCE AND ODOR: clear, characteristic toluene odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 40.00 F
 FLAMMABLE LIMITS - LEL: 1.27 % by vol
 FLAMMABLE LIMITS - UEL: 7.00 % by vol
 AUTOIGNITION TEMPERATURE: ... N/D
 EXTINGUISHING MEDIA:
 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. Vapors may travel long distances along the ground or floor
 to an ignition source and flash back.
 NFPA HAZARD CODES: HEALTH: 2 FIRE: 3 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, 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. Ventilate area. Extinguish all
 ignition sources. Collect using non-sparking tools. Place in a U.S.
 DOT-approved container.

RECOMMENDED DISPOSAL:
 Incinerate in a permitted hazardous waste incinerator in the presence
 of a combustible material.

ENVIRONMENTAL DATA:
 Not determined.

MATERIAL SAFETY
DATA SHEETMSDS: 3M(TM) Ultrapro(TM) Autobody Sealant - Clear, P.N. 08302
DECEMBER 17, 1999

PAGE: 3 of 6

5. ENVIRONMENTAL INFORMATION (continued)

REGULATORY INFORMATION:

Volatile Organic Compounds: 351 gms/liter South Coast Air Quality
Mgmt Dist Method Rule 443.1, calculated.
VOC Less H2O & Exempt Solvents: 351 gms/liter South Coast Air Quality
Mgmt Dist Method Rule 443.1, calculated.

Since regulations vary, consult applicable regulations or authorities
before disposal. U.S. EPA Hazardous Waste Number = D001 (Ignitable)

EPCRA HAZARD CLASS:

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

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:

Remove person to fresh air. If not breathing, give artificial
respiration. If breathing is difficult, get immediate medical
attention.

IF SWALLOWED:

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

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Wear vented goggles. Wear safety glasses with
side shields.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this
material. A pair of gloves made from the following material(s) are
recommended: polyethylene/ethylene vinyl alcohol, polyvinyl alcohol,
polytetrafluoroethylene (Teflon), fluoroelastomer (Viton).

VENTILATION PROTECTION:

Use in a well-ventilated area. Provide sufficient ventilation to
maintain emissions below recommended exposure limits.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of vapors.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed

MATERIAL SAFETY
 DATA SHEET



MSDS: 3M(TM) Ultrapro(TM) Autobody Sealant - Clear, P.N. 08302
 DECEMBER 17, 1999

PAGE: 4 of 6

7. PRECAUTIONARY INFORMATION (continued)

areas thoroughly with soap and water. 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. Flammable liquid and vapor. Keep away from heat, sparks, open flame, and other sources of ignition.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
TOLUENE	50	ppm	TWA	ACGIH	Y
TOLUENE	100	ppm	TWA	OSHA	
TOLUENE	150	ppm	STEL	OSHA	
STYRENE/ALPHA-METHYLSTYRENE COPOLYMER	NONE	NONE	NONE	NONE	
HYDROCARBONS, C6-20, POLYMERS, HYDROGENATED	NONE	NONE	NONE	NONE	
WHITE MINERAL OIL (PETROLEUM)	5	mg/m3	TWA	CMRG	
WHITE MINERAL OIL (PETROLEUM)	10	mg/m3	STEL	CMRG	
HYDROGENATED STYRENE-BUTADIENE POLYMER	NONE	NONE	NONE	NONE	
SYNTHETIC AMORPHOUS SILICA, FUMED, CRYSTALLINE FREE	NONE	NONE	NONE	NONE	
XYLENE	100	ppm	TWA	ACGIH	
XYLENE	150	ppm	STEL	ACGIH	
XYLENE	100	ppm	TWA	OSHA	
XYLENE	150	ppm	STEL	OSHA	
ETHYLBENZENE	100	ppm	TWA	ACGIH	
ETHYLBENZENE	125	ppm	STEL	ACGIH	
ETHYLBENZENE	100	ppm	TWA	OSHA	
ETHYLBENZENE	125	ppm	STEL	OSHA	

* 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
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level G
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling,

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

MATERIAL SAFETY
DATA SHEETMSDS: 3M(TM) Ultrapro(TM) Autobody Sealant - Clear, P.N. 08302
DECEMBER 17, 1999

PAGE: 5 of 6

8. HEALTH HAZARD DATA (continued)

pain, tearing, and hazy vision.

SKIN CONTACT:

Moderate Skin Irritation: signs/symptoms can include redness, swelling, itching, and dryness.

Prolonged or repeated exposure may cause:

May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.

INHALATION:

May be harmful if inhaled.

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

Prolonged or repeated overexposure, above recommended guidelines, may cause:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

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.

Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

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.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

WARNING: Contains a chemical which can cause birth defects. (108-88-3)

SECTION CHANGE DATES**INGREDIENTS****SECTION CHANGED SINCE OCTOBER 1, 1998 ISSUE**

MATERIAL SAFETY
DATA SHEET

MSDS: 3M(TM) Ultrapro(TM) Autobody Sealant - Clear, P.N. 08302
DECEMBER 17, 1999

PAGE: 6 of 6

SECTION CHANGE DATES**(continued)**

PRECAUT. INFO. SECTION CHANGED SINCE OCTOBER 1, 1998 ISSUE

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

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.