3M

Material Safety Data Sheet

WINZER®

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3M SUPER WEATHERSTRIP & GASKET ADHESIVE YELLOW

Product #: 822.08001, 822.08002
MSDS #: 822.08001.7, 822.08002.7

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3M Super Weatherstrip and Gasket Adhesive (Yellow), P.N. 08001, 08002; 3M Super Weatherstrip Adhesive Display, P.N. 08012
MANUFACTURER: 3M
DIVISION: Automotive Aftermarket

ADDRESS: 3M Center
St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 01/14/10
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Product Use:
Intended Use: Adhesive
Specific Use: Adhesive for Gaskets, Rubber Weatherstripping

SECTION 2: INGREDIENTS

Ingredient	C.A.S. No.	% by Wt
2-CHLORO-1,3-BUTADIENE POLYMERS AND COPOLYMERS	Trade Secret	10 - 30
METHYL ETHYL KETONE	78-93-3	10 - 30
HEXANE, OTHER ISOMERS	Mixture	10 - 30
HEXANE	110-54-3	5 - 15
P-TERT-BUTYLPHENOL-FORMALDEHYDE RESIN	Trade Secret	7 - 15
HEPTANE, ALL ISOMERS	Mixture	1 - 10
TOLUENE	108-88-3	5 - 10
MAGNESIUM OXIDE	1309-48-4	5 - 10
CYCLOHEXANE	110-82-7	< 2
CYCLOPENTANE	287-92-3	< 2
Ethylbenzene	100-41-4	< 0.5
TALC	14807-96-6	<= 0.2
ETHYLBENZENE	100-41-4	<= 0.150738

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Viscous Liquid
Odor, Color, Grade: Yellow; Sweet petroleum odor
General Physical Form: Liquid
Immediate health, physical, and environmental hazards: Flammable liquid and vapor. 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. May cause target organ effects. Contains a chemical or chemicals which can cause birth defects or other reproductive harm. Contains a chemical or chemicals which can cause cancer.

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:
Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Skin Contact:
Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

May be absorbed through skin and cause target organ effects.

Inhalation:
Intentional concentration and inhalation may be harmful or fatal.

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Prolonged or repeated exposure may cause:

Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

May be absorbed following inhalation and cause target organ effects.

Ingestion:
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May be absorbed following ingestion and cause target organ effects.

Target Organ Effects:
Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Prolonged or repeated exposure may cause:

Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate.

Dermal Effects: Signs/symptoms may include localized redness, itching, drying and cracking of skin.

Ocular Effects: Signs/symptoms may include blurred or significantly impaired vision.

Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

Olfactory Effects: Signs/symptoms may include decreased ability to detect odors and/or complete loss of smell.

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

Carcinogenicity:
Contains a chemical or chemicals which can cause cancer.

Ingredient	C.A.S. No.	Class Description	Regulation
ARSENIC COMPOUNDS	NONE	Group 1	International Agency for Research on Cancer
CADMIUM COMPOUNDS	NONE	Group 1	International Agency for Research on Cancer
CADMIUM COMPOUNDS	NONE	Known human carcinogen	National Toxicology Program Carcinogens
CADMIUM COMPOUNDS	NONE	Cancer hazard	OSHA Carcinogens
ETHYLBENZENE	100-41-4	Group 2B	International Agency for Research on Cancer
Ethylbenzene	100-41-4	Group 2B	International Agency for Research on Cancer
LEAD COMPOUNDS	NONE	Anticipated human carcinogen	National Toxicology Program Carcinogens
LEAD, INORGANIC COMPOUNDS	NONE	Group 2B	International Agency for Research on Cancer
TALC CONTAINING ASBESTIFORM FIBERS	NONE	Group 1	International Agency for Research on Cancer

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Skin Contact: Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Inhalation: Remove person to fresh air. If signs/symptoms develop, get medical attention.

If Swallowed: Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition temperature	*No Data Available*
Flash Point	-6.00 °F [*Test Method:* Tagliabue Closed Cup] [*Details:* Petroleum Distillate]
Flammable Limits - LEL	1.0
Flammable Limits - UEL	11.5

5.2 EXTINGUISHING MEDIA
Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Flammable liquid and vapor. 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.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures:
Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel.
Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.
Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill.
Contain spill. Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended. Cover with absorbent material. Collect as much of the spilled material as possible using non-sparking tools. Seal the container.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING
Avoid eye contact. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. No smoking while handling this material. Avoid prolonged or repeated skin contact. Avoid breathing of fumes. Avoid static discharge. For industrial or professional use only. Avoid contact with oxidizing agents.

7.2 STORAGE
Store away from heat. Store out of direct sunlight. Keep container tightly closed. Store away from oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Use with appropriate local exhaust ventilation. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment. Use in a well-ventilated area.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact.
The following eye protection(s) are recommended: Safety Glasses with side shields, Indirect Vented Goggles.

8.2.2 Skin Protection

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.
Gloves made from the following material(s) are recommended: Fluoroelastomer (Viton), Polyvinyl Alcohol (PVA), Polyethylene/Ethylene Vinyl Alcohol.

8.2.3 Respiratory Protection

Avoid breathing of vapors.
Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half facepiece or fullface air-purifying respirator with organic vapor cartridges. Consult the current 3M Respiratory Selection Guide for additional information or call 1-800-243-4630 for 3M technical assistance.

8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

8.3 EXPOSURE GUIDELINES

Ingredient	Authority	Type	Limit	Additional Information
CADMIUM COMPOUNDS	ACGIH	TWA, as Cd, respirable	0.002 mg/m3	Table A2
CADMIUM COMPOUNDS	ACGIH	TWA, as Cd dust/particle	0.01 mg/m3	Table A2
CADMIUM DUST	OSHA	TWA, as dust	0.2 mg/m3	Table Z-2
CADMIUM DUST	OSHA	CEIL, as dust	0.6 mg/m3	Table Z-2
CADMIUM FUME	OSHA	TWA, as fume	0.1 mg/m3	Table Z-2
CADMIUM FUME	OSHA	CEIL, as fume	0.3 mg/m3	Table Z-2
COPPER COMPOUNDS	ACGIH	TWA, as Cu dust or mist	1 mg/m3	
COPPER COMPOUNDS	OSHA	TWA, as dust or mist	1 mg/m3	Table Z-1A
CYCLOHEXANE	ACGIH	TWA	100 ppm	
CYCLOHEXANE	OSHA	TWA	300 ppm	Table Z-1
CYCLOPENTANE	ACGIH	TWA	600 ppm	
CYCLOPENTANE	OSHA	TWA	600 ppm	Table Z-1A
ETHYLBENZENE	ACGIH	TWA	100 ppm	Table A3
Ethylbenzene	ACGIH	TWA	100 ppm	Table A3
ETHYLBENZENE	ACGIH	STEL	125 ppm	Table A3
Ethylbenzene	ACGIH	STEL	125 ppm	Table A3
ETHYLBENZENE	CMRG	TWA	25 ppm	
Ethylbenzene	CMRG	TWA	25 ppm	
ETHYLBENZENE	CMRG	STEL	75 ppm	
Ethylbenzene	CMRG	STEL	75 ppm	
ETHYLBENZENE	OSHA	TWA	100 ppm	Table Z-1A

Ethylbenzene	OSHA	TWA	100 ppm	Table Z-1A
ETHYLBENZENE	OSHA	STEL	125 ppm	Table Z-1A
Ethylbenzene	OSHA	STEL	125 ppm	Table Z-1A
HEXANE	ACGIH	TWA	50 ppm	Skin Notation*
HEXANE	OSHA	TWA, Vacated	50 ppm	Table Z-1A
HEXANE	OSHA	TWA	500 ppm	Table Z-1A
LEAD, INORGANIC COMPOUNDS	ACGIH	TWA, as Pb	0.05 mg/m3	Table A3
LEAD, INORGANIC COMPOUNDS	OSHA	TWA, as Pb	0.05 mg/m3	Standard Appendix
MAGNESIUM OXIDE	ACGIH	TWA, as fume	10 mg/m3	Table A4
MAGNESIUM OXIDE	OSHA	TWA, as total dust	15 mg/m3	Table Z-1
METHYL ETHYL KETONE	ACGIH	TWA	200 ppm	
METHYL ETHYL KETONE	ACGIH	STEL	300 ppm	
METHYL ETHYL KETONE	OSHA	TWA	200 ppm	Table Z-1A
METHYL ETHYL KETONE	OSHA	STEL	300 ppm	Table Z-1A
SILICATES (LESS THAN 1% CRYSTALLINE SILICA) TALC CONTAINING ASBESTOS	OSHA	TWA, as total dust	0.1 fiber/cc	Standard Appendix
SILICATES (LESS THAN 1% CRYSTALLINE SILICA) TALC CONTAINING ASBESTOS	OSHA	STEL, as total dust	1 fiber/cc	Standard Appendix
TALC	ACGIH	TWA, respirable	2 mg/m3	Table A4
TALC	CMRG	TWA, as respirable dust	0.5 mg/m3	
TALC	OSHA	TWA, respirable	2 mg/m3	Table Z-1A
TOLUENE	ACGIH	TWA	20 ppm	Table A4
TOLUENE	CMRG	STEL	75 ppm	Skin Notation*
TOLUENE	OSHA	TWA, Vacated	100 ppm	
TOLUENE	OSHA	STEL, Vacated	150 ppm	
TOLUENE	OSHA	TWA	200 ppm	Table Z-2
TOLUENE	OSHA	CEIL	300 ppm	Table Z-2

* Substance(s) 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.

VAC Vacated PEL:Vacated Permissible Exposure Limits [PEL] are enforced as the OSHA PEL in some states. Check with your local regulatory agency.

SOURCE OF EXPOSURE LIMIT DATA:
ACGIH: American Conference of Governmental Industrial Hygienists
CMRG: Chemical Manufacturer Recommended Guideline
OSHA: Occupational Safety and Health Administration
AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form:	Viscous Liquid
Odor, Color, Grade:	Yellow; Sweet petroleum odor
General Physical Form:	Liquid
Autoignition temperature	*No Data Available*
Flash Point	-6.00 °F [*Test Method:* Tagliabue Closed Cup] [*Details:* Petroleum Distillate]
Flammable Limits - LEL	1.0
Flammable Limits - UEL	11.5
Boiling point	148.00 - 189.00 °F [*Details:* Petroleum Distillate]

Vapor Pressure	<=27 psia [@ 131 °F]
Specific Gravity	0.88
pH	*No Data Available*
Melting point	*No Data Available*
Solubility in Water	Slight (less than 10%)
Hazardous Air Pollutants	16.94 % weight
Hazardous Air Pollutants	2.49 lb HAPS/gal
Volatile Organic Compounds	4.62 lb/gal [*Test Method:* calculated SCAQMD rule 443.1]
Volatile Organic Compounds	552.9 g/l [*Test Method:* calculated SCAQMD rule 443.1]
Volatile Organic Compounds	62.83 % weight
Kow - Oct/Water partition coef	*No Data Available*
Percent volatile	63.81 % weight
VOC Less H2O & Exempt Solvents	554.37 g/l [*Test Method:* calculated SCAQMD rule 443.1]
Viscosity	4,000 - 6,800 centistoke [@ 73.4 °F]
Conditions to avoid	Sparks and/or flames

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid:
10.1 Conditions to avoid
Sparks and/or flames
10.2 Materials to avoid
Strong acids

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

Substance	Condition
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified
Toxic Vapor, Gas, Particulate	Not Specified

SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Not determined.

CHEMICAL FATE INFORMATION

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.
Combustion products will include HCl. Facility must be capable of handling halogenated materials.

EPA Hazardous Waste Number (RCRA): D001 (Ignitable), D018 (Benzene), D035 (Methyl ethyl ketone)

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

SECTION 14:TRANSPORT INFORMATION

ID Number(s):
LB-K100-0312-3, LB-K100-0312-4, 60-4550-2994-6, 60-4550-2995-3, 60-9800-2407-3, 60-9800-3334-8, 60-9800-3470-0, 62-2140-0609-0, 62-2140-2609-8

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS
Contact 3M for more information.

311/312 Hazard Categories:
Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

Ingredient	C.A.S. No	% by Wt
TOLUENE	108-88-3	5 - 10
HEXANE	110-54-3	5 - 15
CYCLOHEXANE	110-82-7	< 2
Ethylbenzene	100-41-4	< 0.5

STATE REGULATIONS

Contact 3M for more information.

CALIFORNIA PROPOSITION 65

Ingredient	C.A.S. No.	Classification
CADMIUM COMPOUNDS	NONE	*Male reproductive toxin
CADMIUM COMPOUNDS	NONE	**Carcinogen
CADMIUM COMPOUNDS	NONE	*Developmental Toxin
LEAD COMPOUNDS	NONE	*Female reproductive toxin
LEAD COMPOUNDS	NONE	*Male reproductive toxin
LEAD COMPOUNDS	NONE	**Carcinogen
LEAD COMPOUNDS	NONE	*Developmental Toxin
TALC CONTAINING ASBESTIFORM FIBERS	NONE	**Carcinogen
ETHYLBENZENE	100-41-4	**Carcinogen
Ethylbenzene	100-41-4	**Carcinogen
TOLUENE	108-88-3	*Female reproductive toxin
TOLUENE	108-88-3	*Developmental Toxin

* WARNING: contains a chemical or chemicals which can cause birth defects or other reproductive harm.
** WARNING: contains a chemical which can cause cancer.

CHEMICAL INVENTORIES

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.

Contact 3M for more information.

INTERNATIONAL REGULATIONS

Contact 3M for more information.

WHMIS: Hazardous

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification

Health: 2 **Flammability:** 3 **Reactivity:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are

presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Revision Changes:
Copyright was modified.
Section 9: Property description for optional properties was modified.
Section 9: Property description for required properties was added.
Section 14: ID Number Heading Template 1 was added.
Section 14: ID Number(s) Template 1 was added.
Section 2: Ingredient table was added.
Section 15: EPCRA 313 information was added.
Section 15: EPCRA 313 text was added.
Section 8: Exposure guidelines ingredient information was added.
Section 8: Exposure guidelines legend was added.
Section 8: Exposure guideline note was added.
Section 8: Exposure guidelines data source legend was added.
Section 3: Carcinogenicity table was added.
Section 3: Carcinogenicity heading was added.
Section 15: California proposition 65 ingredient information was added.
Section 15: California proposition 65 heading was added.
Section 15: California proposition 65 cancer warning was added.
Section 10.1 Conditions to avoid was added.
Section 10.2 Materials to avoid was added.
Section 6: Release measures information was added.
Section 6: Release measures information was added.
Section 6: Release measures information was added.
Section 10: Materials to avoid physical property was added.
Section 10: Conditions to avoid physical property was added.
Section 6: Release measures information was deleted.
Section 10: Materials and conditions to avoid physical property was deleted.

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