

3M General Offices  
3M Center  
St. Paul, Minnesota 55144-1000  
(612) 733-1110

00-07  
769

Duns No.: 00-617-3082

MATERIAL SAFETY  
DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS  
TRADE NAME: 3M Brand Super Head Gasket Adhesive (Part No. 8083)  
3M I.D. NUMBER: 62-4959-4809-3  
ISSUED: JULY 28, 1986  
SUPERSEDES: JULY 1, 1982  
DOCUMENT: 10-8547-1

1. INGREDIENTS	C.A.S. NO.	PERCENT	EXPOSURE LIMITS
resin blend	N/A		N/D 5
tackifiers	N/A		N/D 5
TOTAL OF THE ABOVE	N/A N/D	12.0	N/D 5
methylene chloride	75-09-2	66.0	100 ppm 1
copper powder	7440-50-8	4.0	1 mg/m <sup>3</sup> 1
propane/	74-98-6		1000 ppm 1
isobutane propellant (mixture)	75-28-5	18.0	N/D 5

SOURCE OF EXPOSURE LIMIT DATA:

1. ACGIH Threshold Limit Values
2. Federal OSHA Permissible Exposure Limit
3. 3M Exposure Guidelines
4. Chemical Manufacturer Recommended Guidelines
5. None Established

ABBREVIATIONS:

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

2. PHYSICAL DATA	
BOILING POINT:	Compressed Gas
VAPOR PRESSURE:	Compressed Gas
VAPOR DENSITY (Air=1):	>3
EVAPORATION RATE (Ether=1):	1.8
APPEARANCE AND ODOR:	Thin copper colored liquid in aerosol.
SOLUBILITY IN WATER:	Insoluble
SP. GRAVITY (Water=1):	N/A
PERCENT VOLATILE:	84%
VISCOSITY:	N/A
pH:	N/D

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3. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (C.C./Propellant): -50F  
FLAMMABLE LIMITS - LEL: N/A UEL: N/A

EXTINGUISHING MEDIA:

CO2, foam dry chemical

SPECIAL FIRE FIGHTING PROCEDURES:

Extremely flammable. Treat as pressurized container. Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Treat as a pressurized container. Overheated containers adjacent to fire could explode due to internal pressure buildup.

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4. REACTIVITY DATA

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STABILITY: STABLE

INCOMPATIBILITY - MATERIALS TO AVOID:

CONDITIONS TO AVOID: Do not puncture or incinerate aerosol containers. Do not store in sunlight or above temperatures of 120F.

HAZARDOUS POLYMERIZATION: MAY NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO2, HCl and possible trace amounts of chlorine and phosgene when subjected to excessive heat or flame.

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5. ENVIRONMENTAL INFORMATION

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SPILL RESPONSE:

Observe precautions in all sections. If any cans rupture, extinguish all ignition sources and vent spill area to dissipate fumes before collecting cans in sturdy container. A metal container (U.S. Department of Transportation approved container is preferred for shipping waste).

RECOMMENDED DISPOSAL:

Do not puncture or incinerate can in household incinerator. Commercial incineration with destruction and removal efficiency greater than 99.99%, with scrubbers capable of removing halogen gas, is preferred. Otherwise dispose in accordance with local and current U.S. Environmental Protection Agency regulations. Empty cans may be disposed in a sanitary landfill or commercial incinerator in accordance with local regulations. U.S. EPA Hazardous Waste Number: D001 (Ignitable).

ENVIRONMENTAL DATA:

N/D

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6. SUGGESTED FIRST AID

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EYE CONTACT:

Flush eyes with plenty of water for at least 10 minutes. Call a physician.

SKIN CONTACT:

Prolonged or repeated skin contact may defat skin leading to irritation and dermatitis.

INHALATION:

Concentrated vapors may produce headache, nausea, dizziness and respiratory irritation.

IF SWALLOWED:

May cause digestive system irritation with symptoms of nausea, vomiting and diarrhea.

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7. PRECAUTIONARY INFORMATION

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Keep product and its vapor away from heat, sparks, flames and other sources of ignition in the immediate work area. Use only in areas adequately ventilted with enough air movement to remove vapors and prevent vapor buildup. Avoid breathing vapor and overspray (airborne adhesive particles.) Avoid eye contact; wear safety glasses. Avoid skin contact; wear impervious gloves. Do not puncture or incinerate can. Do not store can at temperatures above 120F. Do not take internally. Intentional misuse by deliberately concentrating and inhaling or swallowing may be fatal. Keep out of the reach of children.

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8. HEALTH HAZARD DATA

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**EYE CONTACT:** Spray particulate may cause eye irritation.

**SKIN CONTACT:** May cause skin irritation. On prolonged skin contact, methylene chloride may be absorbed through the skin to cause pain, numbness, and burns.

**INHALATION:** Vapor overexposure may cause respiratory system irritation and light-headedness. Overexposure to methylene chloride vapors may result in lung, liver or kidney effects. Methylene chloride is a potential cancer hazard based on animal studies. Methylene chloride may cause carbon monoxide poisoning, a particular hazard to persons with cardiovascular disease. Symptoms of overexposure may include headache, dizziness, weakness, fatigue, and on extreme overexposure, unconsciousness.

**INGESTION:** Not an anticipated route of exposure due to the aerosol nature of the product. Intentional concentration and ingestion may cause digestive system irritation and light-headedness and, in the extreme, may be fatal.

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