



IF IT'S BORDEN-IT'S
GOT TO BE GOOD

MATERIAL SAFETY DATA SHEET

Borden, Inc.

Packaging and Industrial Products Division

180 EAST BROAD STREET, COLUMBUS, OHIO 43215

Emergency Telephone

(614) 431-6600

Shea 11,033

THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200 REQUIRES THAT THE INFORMATION CONTAINED ON THESE SHEETS BE MADE AVAILABLE TO YOUR WORKERS. INSTRUCT YOUR WORKERS TO HANDLE THIS PRODUCT PROPERLY.
FOR INDUSTRIAL USE ONLY

CONCON INC.

ATTN: MR. DAVE TINKER

P.O. BOX 37

WESTLAKE, IA 50661

NON-EMERGENCY TELEPHONE

(503) 746-8461

GS220

DESCRIPTION: BORDEN METHANOL

PRODUCT TYPE: METHANOL

APPLICATION: GENERAL PURPOSE

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SIGNAL WORD

WARNING!

This material is a 'health hazard' and/or a 'physical hazard' as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 'Hazard Communication' Standard.

CHEMICAL HAZARD RATING

HEALTH=1(slight)

FIRE=3(high)

REACTIVITY=0(least)

CHRONIC=*

29CFR1910.1200 HAZARDOUS INGREDIENTS/REPORTED HEALTH EFFECTS

CAS/REGISTRY NO. MATERIAL DESCRIPTION

% RANGE

The ingredients listed below have been associated with one or more of the listed immediate and/or delayed(*) health hazards. Risk of damage and effects depends upon duration and level of exposure. BEFORE USING OR HANDLING, READ AND UNDERSTAND THE MSDS.

67-56-1

*METHANOL

NOTE REVISED OSHA PEL

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Possible reproductive disorders from prolonged exposure.

May cause blindness if swallowed.

Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting and drowsiness.

-- See Footnote C.

ACRTH TLV: SKIN- 200PPM(260 MG/M3)TWA; 250PPM(310 MG/M3) STEL

OSHA PEL: 200 PPM (260 MG/M3) TWA; 250 PPM (310 MG/M3) STEL

NIOSH DOCUMENT NUMBER: 76-148

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DISCLAIMER-SEE REVERSE SIDE



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29CFR1910.1200 HAZARDOUS INGREDIENTS/REPORTED HEALTH EFFECTS
CAS/REGISTRY NO. MATERIAL DESCRIPTION Z RANGE

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Footnote C: As of the date of issuance of this document, this material has not been listed by NTP, IARC or OSHA as a carcinogen.

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PHYSICAL DATA

STG. LIFE @ 70F	1 YEAR @ 70F
APPEARANCE	CLEAR LIQUID
COLOR	COLORLESS
ODOR	SLIGHTLY ALCOHOLIC
DOT49CFR-173.115 FLAMMABLE LIQUID	RD METHYL ALCOHOL
BOILING POINT	~148.5F (64.7C)
EVAPORATION RATE	~12 (N-BUTYL ACETATE=1)
FLASH POINT	~53.6F (12.0C)
FREEZING POINT	-144F (-97.8C)
AUTOIGNITION TEMPERATURE	~725F (385C)
LOWER EXPLOSION LIMIT	~6.7%
PERCENT VOLATILE BY WEIGHT	100%
SOLUBILITY IN WATER	MISCIBLE
SPECIFIC GRAVITY	~.795
UPPER EXPLOSION LIMIT	~36%
VAPOR DENSITY	~1.11 (AIR=1)
VAPOR PRESSURE	~100MM HG @ 21C

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IMMEDIATE HEALTH HAZARD DATA

SKIN ABSORPTION: Not expected to be harmful under normal conditions of use.

INGESTION: Not expected to be harmful under normal conditions of use.

INHALATION: Not expected to be harmful under normal conditions of use. However, if allowed to become airborne, may cause irritation of nose, throat and lungs.

Can cause central nervous system depression.

SKIN: May cause irritation on prolonged or repeated contact.

EYES: May cause irritation on prolonged or repeated contact.

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HANDLING PRECAUTIONS

SKIN ABSORPTION: Avoid prolonged or repeated contact with eyes, skin or clothing.

INHALATION: Avoid prolonged or repeated breathing of vapor.

SKIN: Avoid prolonged or repeated contact with skin.

EYES: Avoid prolonged or repeated contact with

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HANDLING PRECAUTIONS

ESCH.

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing.

Wash thoroughly after handling.

EMERGENCY AND FIRST AID PROCEDURES

SKIN ABSORPTION: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes.

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

INHALATION: Remove to fresh air.

SKIN CONTACT: In case of irritation, flush with water.

EYE CONTACT: Immediately flush eyes with plenty of water. Call a physician if irritation persists.

FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE LIQUID AND VAPOR.

Keep liquid and vapor away from heat, sparks, flame and other ignition sources including, but not limited to, pilot lights, heaters, cigarettes, electric motors and static discharge. Vapor is heavier than air and may settle in low places or travel outward to a source of ignition and flashback.

In case of fire, use water spray, dry chemical, foam or CO₂. Use water to keep fire-exposed containers cool.

REACTIVITY DATA

Normally stable as defined in NFPA 704-12(4-3.1).

Hazardous polymerization:

Will not occur.

Incompatibilities:

Strong oxidizers.

Decomposition products may include:

Gases of carbon.

CONTROL MEASURES

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

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PERSONAL PROTECTION INFORMATION

Where air contaminants can exceed acceptable criteria,
use NIOSH/MSHA approved respiratory protection
equipment. Respirators should be selected based on the
form and concentration of contaminants in air in
accordance with OSHA 29 CFR 1910.134 or other
applicable standards or guidelines.
Use goggles if contact is likely.
Wear impervious gloves as required to prevent skin
contact.

SPILL OR LEAK PROCEDURES

Eliminate all ignition sources.
Large quantities: Enclose with diking material to
prevent seepage into natural bodies of water; then
consult Borden, Inc.
Small quantities: Soak up with absorbent material and
remove to a chemical disposal area.

WASTE DISPOSAL

Recover free liquid. Absorb residue and dispose of
according to local, state/provincial, and federal
requirements.
Empty container: May contain explosive vapors. DO NOT
cut, puncture or weld on or nearby.

STORAGE PRECAUTIONS

Do not store with strong alkalis or strong bases.
Keep away from heat, sparks, flame and other ignition
sources.
Do not store near strong oxidizing chemicals.

DOT CLASSIFICATION

METHANOL, FLAMMABLE LIQUID, UN 1230,
RD, METHYL ALCOHOL

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SARA TITLE III SECTION 313
AND 40 CFR Part 372
TOXIC CHEMICAL NOTIFICATION SHEET

BORDEN METHANOL

GS220

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.

CAS Registry

Number	Chemical Name	Pct. By Weight
67-56-1	METHANOL	100.00

This Toxic Chemical Notification Sheet must not be detached from the Material Safety Data Sheet (MSDS). Any copying and redistribution of the MSDS shall include copying and redistribution of this notification sheet attached to copies of the MSDS subsequently redistributed.

040 01-METH.--

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DISCLAIMER

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY BORDEN, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States patent. The information provided herein was believed by Borden to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use. Buyer's exclusive remedy shall be for damages and no claim of any kind, whether as to product delivered or for non-delivery of product, and whether based on contract, breach of warranty, negligence or otherwise shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

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