

M A T E R I A L   S A F E T Y   D A T A   S H E E T

VIGON INTERNATIONAL INC.  
AIRPORT ROAD  
EAST STROUDSBURG, PA 18301

| HMIS HAZARD  
| CLASSIFICATION  
|  
| HEALTH = 3  
| FLAMMABILITY = 4  
REACTIVITY = 0

FOR CHEMICAL EMERGENCY DURING TRANSPORTATION ONLY

INFOTRAC 1-800-535-5053

24 HRS PER DAY, 7 DAYS PER WEEK

I. PRODUCT IDENTIFICATION

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ITEM#: A-00163

PRODUCT NAME: ACETALDEHYDE NATURAL 50% IN GRAIN ALCOHOL

CAS #: BLEND

FORMULA: BLEND

II. COMPOSITION OR INFORMATION ON INGREDIENTS

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Vigon International, Inc. regards the identity of the individual components of this product to be proprietary information which is being withheld in accordance with Trade Secret provisions of 29CFR 1910.1200. Certain of the ingredients included may be classified as health hazards, the effects of which would be presumed to be mitigated in the mixture.

Product and/or component(s) carcinogenic at 0.1% or greater according to OSHA, IARC, NTP, or Other: YES

III. HAZARD IDENTIFICATION

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POTENTIAL HEALTH EFFECTS...

PRIMARY ROUTES OF EXPOSURE: Eyes, Skin

EFFECTS OF EXPOSURE: May be irritating to the skin and eyes.

Prolonged contact, as with clothing wetted with material, may cause

more severe irritation and discomfort. Vapors or mist, in excess of permissible concentration, or in unusually high concentration generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the throat and nose, headache, nausea and drowsiness.

#### IV. EMERGENCY AND FIRST AID PROCEDURES

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**INHALATION EXPOSURE:** If headache, irritation, nausea, or drowsiness occurs, remove to fresh air and call a physician.

**EYE CONTACT:** Remove contact lenses. Flush eyes with cool water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eyes and lids. Call a physician.

**SKIN CONTACT:** Remove contaminated clothing. Wash skin with mild soap and water. If irritation or any other symptoms occur, call a physician.

**INGESTION:** If patient is conscious and can swallow, administer water and call a physician or poison control center immediately. Do not induce vomiting.

**OTHER INSTRUCTIONS:** None.

#### V. FIREFIGHTING MEASURES

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**FLASH POINT (CC, F):** -35

**RECOMMENDED FIRE EXTINGUISHING MEDIA:** Carbon-dioxide, foam, or dry chemicals.

**RECOMMENDED PROTECTIVE EQUIPMENT FOR FIREFIGHTERS AND SPECIAL PROCEDURES:** Use of self-contained breathing apparatus with full face piece operated in the positive pressure demand mode when fighting fires. Protective clothing is recommended. Prevent contact with skin and eyes. Cool fire exposed containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Combustible liquid. Avoid heat, sparks, and open flames.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide, fumes.

**HAZARDOUS POLYMERIZATIONS:** None occurs.

#### VI. ACCIDENTAL RELEASE MEASURES

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**PROCEDURES IN CASE OF ACCIDENTAL RELEASE, BREAKAGE, OR LEAKAGE:** Ventilate area. Avoid breathing vapor. Avoid contact with skin, eyes and clothing. Pressure demand air supplied respirators should always

be worn when the airborne concentration of the contaminant or oxygen is unknown. Otherwise, wear NIOSH approved respiratory protection and other personal protective equipment as appropriate for the potential exposure hazard. Remove any sources of flame or sparks. Contain spill if possible. Absorb spill with vermiculite or other suitable absorbant material. Shovel up material and place in approved disposal container. Dispose of in accordance with current local, state, and federal laws and regulations.

#### VII. HANDLING AND STORAGE INFORMATION

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**PRECAUTIONS TO BE TAKEN IN HANDLING:** Avoid breathing vapors. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

**STORAGE:** Keep tightly closed. Store in freezer at < 10°F.

#### **WARNING!**

**FULL STRENGTH MATERIAL MAY BE IRRITATING TO THE SKIN AND EYES.**

**VAPOR IS IRRITATING TO THE THROAT AND LUNGS.**

**BREATHING HIGH CONCENTRATIONS OF VAPOR MAY CAUSE ANESTHETIC EFFECTS.**

#### VIII. EXPOSURE CONTROLS AND PROTECTION INFORMATION

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**THRESHOLD LIMIT VALUE (TLV):** Not established.

**OSHA PERMISSIBLE EXPOSURE LIMIT (PEL):** Not established.

**RESPIRATORY PROTECTION:** Vapor respirator.

**VENTILATION:** Mechanical (General) - meeting ACGIH standards.

**PROTECTIVE GLOVES:** Rubber gloves.

**EYE PROTECTION:** Safety glasses.

**OTHER PROTECTIVE EQUIPMENT:** Safety shower, eye wash.

#### IX. PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Colorless liquid.

**ODOR DESCRIPTION:** Characteristic odor.

**BOILING POINT:** Not applicable

**VAPOR PRESSURE (mm Hg @ 20° C):** Not applicable

**VAPOR DENSITY (AIR = 1):** Not applicable

**SPECIFIC GRAVITY @ 25 C (WATER = 1):** Not applicable

**SOLUBILITY IN WATER:** Soluble

#### X. STABILITY AND REACTIVITY

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*CONDITIONS/MATERIALS TO AVOID: Normally stable under proper conditions. Avoid excessive heat, open flames, or other sources of ignition. Avoid contact with strong acids, alkalies, and/or oxidizing agents.*

*XI. TOXICOLOGICAL INFORMATION*

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*Not determined - SEE BELOW*

*This product is a mixture and has not been tested for health hazards. The health hazard information presented below is provided in accordance with 29CFR 1910.1200 and is based on the testing of individual components which have been shown to cause the following health effects when tested at higher concentrations or at full strength.*

*Skin/Eyes: Severly irritating to skin and eyes.*

*Repeated or prolonged contact may cause allergic skin reation.*

*Ingestion: Ingestion may cause nausea or vomiting.*

*Ingestion causes tissue damage and pain in mouth and stomach.*

*Repeated oral intake may cause damage to the reproductive functions.*

*Inhalation: Inhalation is irritating to nose, throat, and lungs.*

*Very toxic if inhaled.*

*Inhalation of vapor may cause drowsiness and incoordination.*

*Misc: Determined by NTP, IARC, and/or OSHA to cause tumors in laboratory animals.*

*Medical conditions generally recognized as being aggravated by exposure: None known for normal conditions of use.*

*XII. ECOLOGICAL INFORMATION*

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*Not found*

*XIII. DISPOSAL CONSIDERATION*

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WASTE DISPOSAL METHOD: Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

XIV. TRANSPORTATION INFORMATION

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TRANSPORTATION BY GROUND, AIR OR VESSEL....  
PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (ACETALDEHYDE, ETHANOL)  
HAZARD CLASS: 3  
IDENTIFICATION NUMBER: UN1993  
PACKING GROUP: I  
PRIMARY LABEL REQUIRED: FLAMMABLE LIQUID  
PRIMARY PLACARD REQUIRED: FLAMMABLE LIQUID  
STORAGE SEGREGATION: Usual precautions for combustible liquids.

XV. REGULATORY INFORMATION

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This substance contains the following materials subject to the reporting requirements of SARA TITLE III SECTION 313.

CHEMICAL	CONTAIN NO GREATER THAN (%)
ACETALDEHYDE	54.0 %

XVI. OTHER INFORMATION

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Containers should be either reconditioned by CERTIFIED firms or properly disposed of by APPROVED firms. Disposal of containers should be in accordance with applicable laws and regulations. "Empty" drums should not be given to individuals. Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive material. Cutting or welding of empty containers may cause fire, explosion, or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep containers closed and drum bungs in place.

\*\*\* DISCLAIMER \*\*\*

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THE INFORMATION IN THIS MSDS WAS OBTAINED FROM CURRENT AND REPUTABLE SOURCES. THIS DATA IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED OR

*IMPLIED, REGARDING ITS CORRECTNESS OR ACCURACY. IT IS THE USER'S RESPONSIBILITY BOTH TO DETERMINE SAFE CONDITIONS FOR USE OF THIS PRODUCT AND TO ASSUME LIABILITY FOR LOSS, INJURY, DAMAGE, OR, EXPENSE RESULTING FROM IMPROPER USE OF THIS PRODUCT.*

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