

MSDS for Metaldehyde

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: Metaldehyde,3%

Trade Name: FLUSH

Synonyms: Acetaldehyde tetramer

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	%	EINECS#
108-62-3	Metaldehyde	3%	unlisted

Hazard Symbols: XN

Risk Phrases: 10 22

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Flammable. Harmful if swallowed.

Potential Health Effects

Eye:May cause eye irritation.

Skin:May cause skin irritation.

Ingestion:Harmful if swallowed.

Inhalation:May cause respiratory tract irritation.

Chronic:Not available

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Do NOT induce vomiting. Allow the victim to rinse his mouth and then to drink 2-4 cupfuls of water, and seek medical advice.

Inhalation:

Remove from exposure to fresh air immediately.

Notes to Physician:

Treat symptomatically and supportively.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water Reactive. Material will react with water and may release a flammable and/or toxic gas.

Extinguishing Media:

Do NOT use water directly on fire. In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Autoignition Temperature: 580 deg C (1,076.00 deg F)

Flash Point: 50 deg C (122.00 deg F)

NFPA Rating: Not published.

Explosion Limits, Lower: Not available.

Upper: Not available.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Remove all sources of ignition. Use a spark-proof tool.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage:

Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION****

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear safety glasses and chemical goggles if splashing is possible.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to minimize contact with skin.

Respirators:

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: blue granule

pH: 7-9

Viscosity: Not available.

Boiling Point: Not available.

Specific Gravity/Density: Not available.

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability: Not available.

Conditions to Avoid: Ignition sources.

Incompatibilities with Other Materials: Not available.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

Acute oral toxicity (rat), LD50:	283 mg/kg (OECD 401)
Acute dermal toxicity (rat, 24h), LD50:	>5000 mg/kg
Skin irritation (rabbit, 4h):	Nan-irritant (OECD 404)
Eye irritation (rabbit):	Mild irritant (OECD 405)
Sensitization (guinea pig):	Not sensitizing (OECD 406)
Mutagenicity:	Ames-test negative
Mutagenicity:	Chromosomal aberration assay in vitro negative
Mutagenicity:	Gen mutation in mammalian cells negative
Mutagenicity:	Chromosomal aberration assay in vivo negative

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Fish toxicity (rainbow trout, 96 h), LC50:	75 mg/l (OECD 203)
Toxicity Daphnia (Daphnia magna, 48 h), EC50:	> 90 mg/l (OECD 202)
Toxicity algae (Scenedesmus sp., 96 h), ErC 50:	Approx. 76 mg/l (OECD 201)
Biological degradation (28 days):	6.0% OECD 302 B not easily biodegradable
Ready biodegradation (28 days):	18.0% OECD 301 E not readily biodegradable

Water danger/protection: WGK (Self classification) 1 slightly dangerous to water
Bioaccumulation (28 days), BCF: 11.0 (OECD 305E) not bioaccumulation
Abiotic degradation (30 days): (EPA-FIFRA) hydrolytically stable

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Dispose of in a manner consistent with federal, state, and local regulations.

**** SECTION 14 - TRANSPORT INFORMATION ****

ADG Code: This product is not classified as a Dangerous Good, No special transport conditions are necessary unless required by other regulations.

**** SECTION 15 - REGULATORY INFORMATION ****

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 10 Flammable.

R 22 Harmful if swallowed.

Safety Phrases:

S 13 Keep away from food, drink and animal feeding stuffs.

S 25 Avoid contact with eyes.

S 46 If swallowed, seek medical advice immediately and show this container or label.

WGK (Water Danger/Protection)

CAS# 9002-91-9: No information available.

Canada

CAS# 9002-91-9 is listed on Canada's DSL/NDSL List.

CAS# 9002-91-9 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits US FEDERAL TSCA CAS# 9002-91-9 is listed on the TSCA inventory.

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 7/16/1996 Revision #0 Date: Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.