Safety Data Sheet

Triazine

Section 1: Product and Company Identification

Manufacturer	Ideas Additives LLC 625 S Main St. Lombard, IL 60148		
Telephone	(630) 620-2010	**Fax**	(630) 620-2014
Product Names	Triazine		
Recommended Use	Biocidal Product		
Restrictions on Use	For industrial/commercial use only		
Emergency Contact / Number	(630) 620-2010		

Section 2: Hazard Identification

Hazard Classifications

Acute toxicity (Oral)	Category 4
Acute toxicity (Inhalation)	Category 2
Eye damage/irritation	Category 2A
Skin corrosion/irritation	Category 2, Causes skin irritation
Skin sensitization	Category 1B, May cause an allergic skin reaction



Signal word Danger

Precautionary statement(s)

Prevention	Avoid breathing fumes, spray, mist, or vapors. Wash skin and contact areas thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear eye protection/face protection/protective gloves. Use only outdoors or in a well-ventilated area.
Response	IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice or attention. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse.
Disposal	Dispose of contents and container according to local, state/provincial, and federal regulations.

Section 3: Composition/Information on Ingredients

Component	CAS#	Concentration
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	4719-04-4	80

Section 4: First Aid Measures

Eye Contact

Product can damage eyes. Flush immediately with clean, lukewarm water for at least 15 minutes while holding eyelids open. Remove contacts if present and easy to do. Get prompt medical advice. Get medical attention, preferably an ophthalmologist, if irritation occurs and persists.

Skin Contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
Wash contaminated clothing before reuse. In case of eczema or other skin disorders: Seek medical attention and take along these instructions

Ingestion

Never give anything by mouth to an unconscious person. Give water if victim is conscious. Do not induce vomiting without medical direction. Keep head below hips if vomiting occurs to prevent aspiration. Seek medical attention.

Inhalation

Remove person to fresh air and seek medical attention if adverse effects are observed.

Most Important Symptoms / Effects

Eye damage, skin irritation or rash. Fatal if inhaled.

Indication of Immediate Medical Attention and Special Treatment, If Necessary

Immediate medical attention is required. Show this material safety data sheet to the doctor in attendance.

SECTION 5: FIREFIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media

Product will burn at high temperatures. Use Carbon dioxide, dry chemical or foam. High pressure water stream may spread fire. Water is an unsuitable materials.

Specific Hazards Arising from the Chemical

May produce CO, CO_2, decomposition products, flammable gases, and acrid vapors in a fire. Closed containers may rupture or explode when exposed to extreme heat.

Specific Protective Equipment and Precautions for Fire-Fighters

Avoid breathing vapors and mists. Use water spray to cool fire-exposed containers, structures and to protect personnel. Do not enter enclosed area without a positive pressure, NIOSH-approved self-contained breathing apparatus. Closed containers may explode from high heat.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

Affected area may be slippery. Isolate release area and keep unnecessary or untrained people away. Avoid skin or eye contact with spilled material. See Section 8 for personal protection gear.

Environmental Precautions

Product is harmful to aquatic life. Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers, or waterways. Advise EPA, state, or local agencies as required.

Methods for Cleaning Up

Stop leak if you can without risk. Do not discharge to the environment. Transfer to labeled, sealable containers for product recovery or safe disposal. Small spills can be handled using absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transferred to containers for use or disposal. Larger spills should be diked and absorbed with binding agents such as sand or vermiculite to prevent runoff to the environment or sewer.

SECTION 7: HANDLING AND STORAGE

Handling and Storage

Wear protective clothing to prevent or minimize contact. Use good ventilation and follow all procedures and precautions for handling chemicals. Best stored in a dry place at 50 – 120 °F. Reseal lid on container after use. Store only in original or compatible, clearly labeled container.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits

Component Name	ACGIH	OSHA
No components with exposure limits	Not Applicable	Not Applicable

Engineering Controls

Use appropriate ventilation to maintain good air quality; avoid breathing aerosols or mists; use appropriate respirator if applicable.

Eye and Face Protection

Wear safety glasses or chemical safety goggles; use face shield when working with large amounts or when splashing is possible.

Skin Protection

Wear protective gloves and appropriate clothing to avoid or minimize contact.

Respiratory Protection

Maintain good ventilation or air flow.

General Hygiene

Follow accepted work practices for handling chemicals. Do not eat, drink, or smoke in areas where this product is used or stored. Wash thoroughly with soap and water after task or shift, when using the restroom or before eating.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Amber liquid	**Flash Point**	> 201.0 °F / > 93.9 °C
Specific Gravity (Water=1)	1.14	**Upper Flammability Limits**	Not Determined
Evaporation Rate (ether = 1)	Not Determined	**Lower Flammability Limits**	Not Determined
pH	Not Applicable	**Auto-ignition Temperature**	Not Determined
Solubility in Water	completely miscible	**Decomposition Temperature**	Not Determined
Odor	Not Determined	**Vapor Pressure (mm Hg, 25 °C)**	Not Determined
Odor Threshold	Not Determined	**Vapor Density (Air-=1)**	Not Determined
Melting/Freezing Point	Not Determined	**Partition Coefficient (n-octanol/water)**	Not Determined
Boiling Range	> 212 °F / > 100 °C	**Viscosity (mm^2 /40 °C)**	Not Determined
Initial Boiling Point	Not Determined	**Critical Temperature**	Not Determined
Note: Physical and chemical properties are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately.			

SECTION 10: STABILITY AND REACTIVITY

Reactivity Not reactive under normal storage and use conditions
Chemical Stability Stable under normal storage and use conditions
Possibility of Hazardous Reactions Will not react under normal conditions. May react with strong oxidants or reductants
Conditions to Avoid Extreme hot or cold temperatures, open flame
Incompatible Materials Strong oxidizing and reducing agents, strong acids and bases
Hazardous Decomposition Products CO and CO_2, flammable gases, or vapors in a fire or at high temperature

SECTION 11: TOXICOLOGICAL INFORMATION

Acute inhalation toxicity
LC50 (Rat): 0.52 - 2.08 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The component/mixture is highly toxic after short term inhalation.
Remarks: Not likely, due to the form of the product.

Acute dermal toxicity
LDS0 (Rabbit): > 2,000 mg/kg
Assessment: The component/mixture is minimally toxic after single contact with skin.

Acute Toxicity Effects
Likely routes of exposure are skin and eye contact. Eye contact may cause pain or damage to vision. Contact with skin may cause irritation or sensitization. Inhalation may cause respiratory irritation. Swallowing material may cause irritation of gastrointestinal tract, nausea, vomiting, diarrhea, or abdominal pain depending on the individual's sensitivity and the amount ingested.
Chronic Toxicity Effects
Long term or repeated exposure may aggravate any acute symptoms.
Carcinogenicity
NTP, OSHA and IARC have not identified any carcinogenic ingredients in this product.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Product:

Toxicity to fish — LC50 (Fish):> 118 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates — EC50 (Crustaceans): 26.1 mg/l Exposure time: 48 h

Toxicity to algae/aquatic plants — ErC50 (algae): 6.7 mg/l Exposure time: 72 h

Ecotoxicology Assessment
Acute aquatic toxicity — Toxic to aquatic life.

Chronic aquatic toxicity	This product has no known ecotoxicological effects.

SECTION 13: DISPOSAL CONSIDERATIONS

Do not dispose to sewer. Avoid release to the environment. Dispose of via a licensed waste disposal contractor. Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA. Dispose of used containers in a licensed facility.

SECTION 14: TRANSPORT INFORMATION

DOT	UN2902 Pesticide, Liquid, Toxic, N.O.S. (Hexahydro 1,3,5-Tris(2-Hydroxyethyl}-S-Triazine), Class 6.1, PG II
IMDG	UN2902 Pesticide, Liquid, Toxic, N.O.S. (Hexahydro 1,3,5-Tris(2-Hydroxyethyl}-S-Triazine), Class 6.1, PG II
IATA	UN2902 Pesticide, Liquid, Toxic, N.O.S. (Hexahydro 1,3,5-Tris(2-Hydroxyethyl}-S-Triazine), Class 6.1, PG II

SECTION 15: REGULATORY INFORMATION

Chemical Inventories	All ingredients are listed or exempt from listing on the TSCA, active (U.S.) and DSL and/or NDSL (Canada) inventories.
Section 302 Extremely Hazardous Chemicals	None
SARA 311/312 Reporting Categories	Acute toxicity (any route of exposure), Respiratory or skin sensitization, Specific target organ toxicity (single or repeated exposure), Skin corrosion or irritation, Serious eye damage or eye irritation
SARA 313 Reportable Ingredients	None
California Prop 65	WARNING: This product can expose you to chemicals including 2,2'-iminodiethanol, which is/are known to the State of California to cause cancer. For more information go to www.P65Wamings.ca.gov.

SECTION 16: OTHER INFORMATION

NFPA Rating	Health=2; Flammability=1; Reactivity=0
Department Issuing SDS	Health and Safety

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