

MATERIAL SAFETY DATA SHEET
TC Defoamer

Date: August 28, 2005

I Company Identification

Company Name: TJC Enterprises Inc
Mailing Address: 2616 County Squire
Uniontown, OH 44685
Telephone: 330-283-3862
Emergency Number: PERS (800) 633-8253

II Product Identification

Product Name: TC Defoamer
Chemical Description: Defoamer
Cas Number: 64742-47-8
OSHA Hazard: No
Percentage: 60-100%

III Typical Physical Properties

Physical Appearance: Off-white thin liquid
Odor: Mild
PH: N/A
Boiling Point: 93 to 206° C (199 to 403° F) @ 760 mmHg
Specific Gravity: 0.81 @ 25° C (77° F)
Evaporation Rate: <1 (Butyl Acetate = 1)
Vapor Pressure: <2 mmHg @ 20° C (68° F)
% Volatile by volume: 16
Solubility in Water: Dispersible

IV Reactivity Data

Chemical Stability: This material is stable under normal handling and storage conditions
Conditions to Avoid: Combustible materials, electric arcs, open flame, spark, and static electricity

Materials to Avoid:	Strong oxidizing agents
Hazardous Decomposition Products:	Oxides of Aluminum, oxides of Carbon, or Hydrocarbon residue
Hazardous Polymerization:	Will not occur

V Fire and Explosion Hazard Data

Flashpoint:	68° C (151° F)
Flammability Class:	Combustible
Extinguishing Media:	Dry chemical, foam, carbon dioxide, DO NOT USE: water, (burning material will float)
Special Firefighting Procedures:	Firefighters should wear NOISH/MSHA approved self-contained breathing apparatus and full protective clothing. Move containers from fire area if you can do so without risk. Cool containers exposed to fire with water. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later
Unusual Fire and Explosion Hazards:	Containers may explode (due to build-up of pressure) when exposed to extreme heat
Acute:	
Eye Contact:	Irritant. May cause eye injury, which may persist for several days
Skin Contact:	Skin absorption is not likely. May cause redness or swelling
Ingestion:	Practically nontoxic
Inhalation:	Harmful if inhaled. Mists may cause chemical pneumonia, upper respiratory tract irritation, depression, dizziness, or headache

V Fire and Explosion Hazard Data-Continued

Chronic Effects:	This product does not contain any ingredient designated by IRA, NIP, AGCY, or OSIER as rubble or suspected human carcinogens. Prolonged contact may cause liver damage and kidney damage
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VI Recommended First Aid Measures

Eye Exposure:	Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention
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Skin Exposure:	In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before reuse
Inhalation Exposure:	Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention
Ingestion Exposure:	If victim is conscious and alert, give 2-3 glasses of water to drink and do not induce vomiting. Seek medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical
Notes to Physician:	All treatments should be based on severe signs and symptoms of depression in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Ingestion: Gastric decontamination including emesis is virtually never warranted, because of the poor absorption and low toxicity of aliphatic hydrocarbons and petroleum distillates. Both emesis and gastric lavage carry significant risk of aspiration pneumonitis. Spontaneous emesis

VI Accidental Release Measures

Evacuation Procedure & Safety:	Wear appropriate protective gear for the situation. See personal protection information. Eliminate all sources of ignition until the area is determined to be free from explosion or fire hazards. Place leaking containers in a well-ventilated area. Spilled materials may make the floor slippery. Do not leave traces of product on floors, ladders, etc., as this may present a slipping hazard
Containment of Spills:	Dike spill using absorbent or impervious materials such as earth, sand, or clay. Stop leak if it can be done without risk
Waste Disposal:	Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and

	local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material
Clean up & Disposal of Spills:	Absorb with an inert absorbent. Shovel up into an appropriate closed container. Use non-sparking tools. Recover material, if possible
Environmental & Regulatory Reporting:	Do not flush to drain. Runoff from fire control or dilution water, may cause pollution. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies. Prevent material from entering public sewer systems and waterways

VII Handling & Storage

Handling:	Do not breathe vapors and mists. Avoid direct or prolonged contact, with skin and eyes. Use non-sparking tools and grounded/bonded equipment and containers when transferring. Keep containers closed when not being used
Storage:	Store in tightly closed containers. Store in an area that is diked, well-ventilated, away from combustible materials, and away from ignition sources

VIII Exposure Controls/ Personal Protection

Appropriate Hygienic Practices:	As part of good industrial, personal hygiene and safety procedure, avoid all unnecessary exposure to the product and ensure prompt removal from eyes, skin and clothing. Maintain good housekeeping to control dust accumulations.
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Personal Protection Equipment

Eye Protection:	Eye and face protection requirements will vary dependent upon work environment conditions and materials handling
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practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended of this material

Skin Protection:

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing. Consideration must be given both to durability as well as permeation resistance

IX Additional Information

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness.

The conditions or methods of handling, storage, use and disposal are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use or disposal of the product

*n/a= Not Applicable