

Product Information

MSDS 010

JOWAT 406.10; 406.17; 406.21; 406.30; 406.39; 406.60; 406.66; 406.67; 406.70

Product class: PRIMER

Section I - General Information

Manufacturer: **Jowat Corporation**
6058 Lois Lane
Archdale NC 27263

Emergency Phone Numbers: **1 800 424 9300 (Chemtrec 24 Hours)**
Information Telephone Number: **336 434 9000**

Date Prepared: 08/30/95

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Prepared by: G. Haas

Section II - Hazardous Ingredients

	CAS#	CONCENTRATION	OSHA PEL [ppm]	ACGIH TLV [ppm]
Ethyl Acetate	141-78-6	< 20	400	not est.
Methyl Ethyl Ketone	78-93-3	< 82	200	unknown
Acetone	67-64-1	< 45	1000	750
Tetrahydrofuran	109-99-9	< 10	200	unknown

Section III - Physical Data

BOILING POINT: for Acetone at 760 mm Hg approx. 56°C

VAPOR PRESSURE: for Acetone at 20°C approx. 186 mm Hg

VAPOR DENSITY: for Acetone approximately 2

SOLUBILITY IN WATER: negligible

APPEARANCE AND ODOR: white, green or yellow liquid, typical solvent odor

SPECIFIC GRAVITY: approximately 0.90 g/ml

MELTING POINT R&B: N/A

EVAPORATION RATE: for Acetone, approximately 6.0

PERCENT VOLATILE BY VOLUME: approximately 83

Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): For Acetone TCC -20°C/-4F

FLAMMABLE LIMITS: LEL: 2.6%

UEL: unknown

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemicals.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full-face piece operated in pressure demand mode or other positive pressure mode when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may travel along the ground or may be moved by ventilation and ignited by pilot lights, flames, sparks, heater, smoking, electric motors, static discharge or other ignition sources even at locations distant from material handling point. Product can ignite explosively - even residues.

Section V - Reactivity Data

STABILITY: Stable

CONDITIONS TO AVOID: Avoid contact with strong oxidizing agents, strong alkalis, strong minerals.

INCOMPATIBILITY: None known to Jowat Corporation.

HAZARDOUS DECOMPOSITION OF BYPRODUCTS: Like most organic products, it may form carbon monoxide, - dioxide and others.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None known to Jowat Corporation.

Section VI - Health Hazard Data

ROUTE(S) OF ENTRY:

Inhalation: very likely of vapors

Skin: Skin contact is primary route of entry

Ingestion: very unlikely

HEALTH HAZARDS: Overexposure of this material has apparently been found to cause the following effects in laboratory animals: anemia, liver abnormalities; kidney, lung and eye damage.

CARCINOGENICITY:

NTP- N/A

IARC Monographs- N/A

OSHA Regulated- N/A

SIGNS AND SYMPTOMS OF EXPOSURE:

Skin: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

Eyes: Can cause severe irritation, redness, tearing, blurred vision.

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and asphyxiation.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known to Jowat Corporation.

EMERGENCY AND FIRST AID PROCEDURES:

Skin: Wash with plenty of soap and water. If irritation persists, see physician.

Eyes: Flush with plenty of water. If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. If breathing stops, administer respiration or oxygen. Call a physician.

Section VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent ignition, stop leak and ventilate the area. Flush material into suitable retaining areas or container. Do not direct water streams to the liquid as this will cause the liquid to boil and generate more vapors. Similar spill may be absorbed with sand or earth or appropriate absorbant. Do not use combustible materials such as sawdust. Vapor can be controlled using a water fog. Keep personnel upwind from leak. Dispose of accordingly. Prevent spilled liquid from entering sewers, storm drains, or other unauthorized systems.

WASTE DISPOSAL METHOD: Dispose of product in accordance to local, state and federal regulations. Product may be incinerated.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store containers in dry, clean and cool area with adequate ventilation. Keep containers closed when not in use. All 5 gallon or larger metal containers should be grounded when material is transferred.

OTHER PRECAUTIONS: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues, all hazard precautions given in Sections IV, V, and VI apply. Dispose of empty container according to State and Federal Regulations.

Section VIII - Control Measures

RESPIRATORY PROTECTION (SPECIFY TYPE): Approved respirator should be worn to reduce exposure if TLV is exceeded.

LOCAL EXHAUST: General ventilation is mostly adequate.

PROTECTIVE GLOVES: Chemical resistant gloves are recommended.

EYE PROTECTION: Safety glasses or better recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: As required to avoid skin contact.

Section IX - Regulatory Information

HMIS – RATING: HEALTH-2 FLAMMABILITY-3 REACTIVITY-1

DOT PROPER SHIPPING NAME: Adhesive, containing flammable liquid.

Hazard Class or Division: 3

Packaging Group: II

UN ID#: 1133

TSCA STATUS: All components of this product are registered under the regulations of the Toxic Substances Control Act.

RCRA: This product is considered hazardous waste if discarded in its purchased form. Consult state and local regulations regarding proper disposal.

CERCLA: If the reportable quantities of these materials are accidentally spilled, the incident is subject to the provisions of the Comprehensive Environmental Response, Compensation and Liability Act and must be reported to the National Response Center at (800) 424-8802.

This product contains a mixture of solvents. The reportable spill quantity of the individual components being:

Component	CONCENTRATION	Reportable Qty.
Ethyl Acetate	< 20	5000 lbs.
Methyl Ethyl Ketone	< 60	5000 lbs.
Acetone	< 45	5000 lbs.
Tetrahydrofuran	< 10	1000 lbs.

SARA Title III

Sections 311/312: This product is classified into the following hazard categories: Immediate Health, Delayed Health, Fire

Section 313 Reportable Ingredients:

Component	CAS #	Maximum %
Ethyl Acetate	141-78-6	< 20
Methyl Ethyl Ketone	78-93-3	< 60
Acetone	67-64-1	< 45
Tetrahydrofuran	109-99-9	< 10

This information may be subject to the provisions of the Community Right-to-Know Reporting Requirements (40 CFR 370) if threshold quantify criteria are met.

California Proposition 65: This material does not contain chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm.

Other State Regulatory information available on request.

Section X – Other Information

These data are based on our present state of information. They shall, however, not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. All standard industrial precautions apply, concerning protection of health, and safe handling. The recommendations have to be examined in the context of the application for which the product is intended, and observed as necessary.