

MATERIAL SAFETY DATA SHEET

S-31 Thinner

Document # 3360

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SECTION 1: PRODUCT IDENTIFICATION AND USE

MFG'S NAME: ITW AMERICAN SAFETY TECHNOLOGIES
565 Eagle Rock Ave.
Roseland, New Jersey 07068
(973) 403-2600

TRADE NAME: S-31 Thinner

CHEMICAL FAMILY: Solvent

Dot Shipping Classification (49CFR 172.101): Paint, 3 (Flammable Liquid), UN1263, III

Transportation Emergency Number (CHEMTREC): 1-800-424-9300

Mfg's Dunn's No: 002-171-213

HMIS RATING:

Health =2

Flammability =3

Reactivity =0

PREPARED BY: J. Hermele

DATE: 06/25/2002

REVISION: 1

SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

INGREDIENTS	CAS NO	% WT.	OSHA	ACGIH	OTHER
xylene	1330-20-7	90 %	100 ppm	100 ppm	
1-Methoxy-2-Propanol	107-98-2	5-10%	100 ppm	100 ppm	

(N.E. = Not Established)

SECTION 313 SUPPLIER INFORMATION: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372. THIS INFORMATION MUST BE INCLUDED ON THE MSDS COPIED AND DISTRIBUTED FOR THIS MATERIAL.

CHEMICAL NAME	CAS NUMBER	WEIGHT %
1330-20-7	xylene	90 %

SECTION 3: PHYSICAL DATA

BOILING POINT: 280°F (137°C) **SPECIFIC GRAVITY:** 0.88
VAPOR PRESSURE: 8mmHg @ 68°F (20°C) **MELTING POINT:** N.E.
VAPOR DENSITY: 5.1 (AIR = 1) **EVAPORATION RATE:** 0.7 (Butyl Acetate = 1)
SOLUBILITY IN WATER: Partially Soluble
APPEARANCE AND ODOR: Clear Liquid, Solvent Odor

SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT: 81°F/27°C PMCC **FLAMMABLE LIMITS:** LEL UEL
1.0 6.0

EXTINGUISHING MEDIA: Dry Chemical or Chemical Foam.

SPECIAL FIRE FIGHTING PROCEDURES: Summon professional fire fighters. Use full protective equipment including self contained breathing apparatus. Water spray may be ineffective. If water is used, fog nozzles preferable. If exposed to fire or extreme heat, water should be used to cool closed containers and prevent pressure build up or possible auto-ignition.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and flame. Vapors may cause flash fire. Vapors may ignite explosively. Vapors may spread long distances and beyond closed doors. Due to pressure build-up, closed containers exposed to extreme heat may explode. Never use a welding or cutting torch on or near container (even empty) as product or its residue may ignite. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

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SECTION 5: HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Inhalation/Skin/Ingestion

HEALTH HAZARDS (ACUTE AND CHRONIC)

Eyes: Causes eye irritation, may cause injury.
Skin: May cause moderate irritation and sensitization.
Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.
Ingestion: No specific information available. Contains materials that may be slightly toxic.

CONDITIONS AGGRAVATED BY EXPOSURE: Allergy, eczema and other skin conditions.

CARCINOGENIC DATA: Not on NTP, IARC or OSHA Lists.

OVEREXPOSURE EFFECTS: Irritation, sensitization and dermatitis.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush with large quantities of water for at least 15 minutes. Get medical attention.
Skin: Remove contaminated clothing. Wash contact area with mild soap and water for 15 minutes.
Inhalation: Remove to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.
Ingestion: Do not induce vomiting (contains solvent). Get medical attention.

SECTION 6: REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Excessive Heat

INCOMPATIBILITY (Materials to Avoid): Strong Oxidizing Agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide and Aldehydes.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 7: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources. Dike Spill. Absorb with inert material and collect for disposal. Flush contaminated area with water; prevent washings from entering waterways.

WASTE DISPOSAL METHODS: This product, if disposed as shipped, meets EPA criteria of a hazardous waste as specified in 40 CFR 261 on the basis of its ignitability. Dispose of in a licensed hazardous waste facility in accordance with applicable laws.

SECTION 8: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator with organic vapor cartridge if required.

VENTILATION: Explosion-proof mechanical ventilation and local exhaust are recommended. Mechanical exhaust is not recommended as the sole means of controlling employee exposure.

PROTECTIVE GLOVES: Impervious gloves.

EYE PROTECTION: Chemical splash-proof goggles.

OTHER PROTECTIVE EQUIPMENT: In operations where contact may occur, coveralls, apron and impervious foot covering are recommended.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid all personal contact. Do not exceed 110°F/43°C in storage area. Ground and bond metal containers for liquid transfer to avoid static sparks.

SECTION 9: SPECIAL / OTHER INSTRUCTIONS

* A safety shower and eye wash facility should be available to employees.

* Contaminated clothing should be removed immediately and thoroughly laundered before reuse.