



SAFETY DATA SHEET

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Polyurethane Topcoat Accelerator

Product Code: 45-CA97-98

WESTCOAT SPECIALTY COATING SYSTEMS

4007 Lockridge St
San Diego, CA 92102

Information Telephone: 800-250-4519

Emergency Telephone: 800-424-9300

Section 2 - HAZARDS IDENTIFICATION

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Reproductive toxin	1B	Presumed, Based on experimental animals

GHS Hazards

H226	Flammable liquid and vapour
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H341	Suspected of causing genetic defects
H360	May damage fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/.../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash ... thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing . Rinse skin with water/shower
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P370+P378	In case of fire: Use ... for extinction

P405
P403+P235
P501

Store locked up
Store in a well ventilated place. Keep cool
Dispose of contents/container to ...

Signal Word: Danger



Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Methyl ethyl ketone	78-93-3	70.00% - 80.00%

Section 4 - FIRST AID MEASURES

First aid measures for different exposure routes

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

EYE CONTACT: Immediately flush eyes with plenty of water for a least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.

INGESTION: If swallowed, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cups full of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively.

Section 5 - FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Based on the NFPA guide, use dry chemical, alcohol foam, carbon dioxide, or other extinguishing agent suitable for class B fires. Use water to cool containers exposed to fire. For large fires, use water spray or fog, thoroughly drenching the burning material.

SPECIAL FIREFIGHTING PROCEDURES: Water maybe ineffective. Fire fighters should wear self-contained, NIOSH-approved breathing apparatus and full protective clothing. Fire or intense heat may cause violent rupture of packages. In the event of fire, cool tanks with water spray. Do not use a solid water stream as it may scatter and spread fire. After fire, flush area with water to prevent re-ignition. Do not allow run-off from firefighting to enter drains or watercourses.

UNUSUAL FIRE & EXPLOSION HAZARDS: Exposure to heat will produce irritating vapors. Insulate from heat, electrical equipment, sparks & open flame. Closed containers may explode when subject to high heat. Dense smoke & toxic fumes will result during combustion creating a health hazard.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use protective equipment. Ensure adequate ventilation. Remove sources of ignition, cover with inert absorbent material and remove to disposal container. Obey all federal, state and local laws. This is a RCA hazardous waste per title 40 CFR 261, classified 12 D001.

WASTE DISPOSAL METHODS: Obey relevant federal, state and local laws. Do not contaminate any lakes streams, ponds or underground water supplies.

PRECAUTIONS: Avoid personal contact. Keep out of reach of children. Remove all sources of ignition. Ensure adequate ventilation.

Section 7 - HANDLING AND STORAGE

PRECAUTION FOR SAFE HANDLING: (Always wear recommended personal equipment.) Ensure all equipment is electrical grounded before beginning transfer operations. Ensure adequate ventilation. Do not allow product to contact skin, eyes and clothing. Do not breathe vapors. Keep away from fire, sparks and heated surfaces. Keep container tightly closed in a dry and well-ventilated place.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: Use with adequate explosion proof ventilation, isolate from sources of heat, sparks or flames. Extinguish all sources of ignition, including remote pilot and lights. Maybe harmful if swallowed or inhaled.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Methyl ethyl ketone 78-93-3	200 ppm TWA; 590 mg/m3 TWA	300 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 590 mg/m3 TWA 300 ppm STEL; 885 mg/m3 STEL

Individual protection measures, such as personal protective equipment

RESPIRATION PROTECTION: If it is possible to generate significant levels of vapor or mists, a NIOSH approved or equivalent respirator is recommended.

VENTILATION: General ventilation is recommended. Additional local exhaust ventilation is recommended where vapors, mists or aerosols may be released.

PROTECTIVE GLOVES: Impermeable gloves to minimize skin contact.

EYE PROTECTION: Chemical splash goggles or full-face shield.

PROTECTIVE EQUIPMENT: Wear impervious gloves, apron & splash goggles where exposure is possible .

HYGIENE PRACTICES: Wash contaminated clothes before reuse .

PRECAUTIONS: Avoid personal contact; keep out of reach of children, wash hands before eating or smoking . Do not puncture, drop or slide containers closed.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<p>Appearance : Liquid</p> <p>Odor threshold : N/A</p> <p>Melting point : N/A</p> <p>Flash Pt (F/C) : 16°F,-9°C</p> <p>Flammability (solid, gas) : Flammable</p> <p>Vapor pressure : 60.6 mmHg</p> <p>Relative density : 0.81</p> <p>Partition coefficient:n- N/A octanol/water :</p> <p>Decomposition temp : N/A</p>	<p>Odor : Ketone Solvent Odor</p> <p>PH : N/A</p> <p>Boiling point : 80°C</p> <p>Evaporation rate : 5.7 (Butyl Acetate = 1)</p> <p>LEL/UEL : 2%</p> <p>Vapor density : 2.4</p> <p>Solubility : Partly</p> <p>Autoignition temp : 404°C</p> <p>Viscosity : N/A</p>
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Section 10 - STABILITY AND REACTIVITY

STABILITY: STABLE.

CONDITIONS TO AVOID: High temperatures, open flame.

INCOMPATIBILITY: Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products include carbon monoxide and carbon dioxide (CO₂).

Section 11 - TOXICOLOGICAL INFORMATION

Mixture Toxicity

Oral Toxicity LD50: 3,104mg/kg

Component Toxicity

78-93-3

Methyl ethyl ketone

Oral LD50: 2,483 mg/kg (Rat) Dermal LD50: 5,000 mg/kg (Rabbit)

Exposure to this material may affect the following organs:

EFFECTS OF OVEREXPOSURE

EYES:

ACUTE - LIQUID, AEROSOLS OR VAPORS ARE SEVERELY IRRITATING AND CAN CAUSE PAIN, TEARING, REDDENING AND SWELLING. IF LEFT UNTREATED, CORNEAL DAMAGE CAN OCCUR AND INJURY IS SLOW TO HEAL, DAMAGE IS USUALLY REVERSIBLE.

CHRONIC - PROLONGED VAPOR CONTACT MAY CAUSE CONJUNCTIVITIS

SKIN CONTACT:

ACUTE - REPEATED OR PROLONGED SKIN CONTACT CAN RESULT IN DRY, DEFATTED AND CRACKED SKIN CAUSING INCREASED SUSCEPTIBILITY TO INFECTION. IN ADDITION IRRITATION MAY DEVELOP INTO DERMATITIS. SOLVENTS CAN PENETRATE THE SKIN AND MAY CAUSE EFFECTS SIMILAR TO THOSE IDENTIFIED UNDER ACUTE INHALATION SYMPTOMS.

CHRONIC - MAY CAUSE EFFECTS SIMILAR TO THOSE IDENTIFIED UNDER CHRONIC INHALATION EFFECTS.

SKIN ABSORPTION:

ACUTE - ND

CHRONIC - ND

INHALATION:

ACUTE - SOLVENT VAPORS ARE IRRITATING TO THE EYES NOSE AND THROAT. SYMPTOMS OF IRRITATION MAY INCLUDE RED, ITCHY EYES, DRYNESS OF THE THROAT AND A FEELING OF TIGHTNESS IN THE CHEST. OTHER POSSIBLE SYMPTOMS OF OVEREXPOSURE INCLUDE: HEADACHE, DIZZINESS, NAUSEA, NARCOSIS FATIGUE AND LOSS OF APPETITE.

CHRONIC - CHRONIC EXPOSURE TO ORGANIC SOLVENTS HAS BEEN ASSOCIATED WITH VARIOUS NEUROTOXIC EFFECTS INCLUDING PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. SYMPTOMS INCLUDE LOSS OF MEMORY, LOSS OF INTELLECTUAL ABILITY AND LOSS OF COORDINATION.

INGESTION:

ACUTE - CAN RESULT IN IRRITATION OF THE DIGESTIVE TRACT. SYMPTOMS CAN INCLUDE SORE THROAT ABDOMINAL PAIN NAUSEA, VOMITING AND DIARRHEA. VOMITING MAY CAUSE ASPIRATION OF SOLVENT RESULTING IN CHEMICAL PNEUMONITIS.

CHRONIC - ND

CONDITIONS AGGRAVATED BY EXPOSURE: SKIN DISORDERS AND ALLERGIES.

Section 12 - ECOLOGICAL INFORMATION

Component Ecotoxicity

Methyl ethyl ketone

96 Hr LC50 Pimephales promelas: 3130 - 3320 mg/L [flow-through]

48 Hr EC50 Daphnia magna: >520 mg/L; 48 Hr EC50 Daphnia magna: 5091 mg/L; 48 Hr EC50 Daphnia magna: 4025 - 6440 mg/L [Static]

Section 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Obey relevant federal, state and local laws. Do not contaminate any lakes streams, ponds or underground water supplies.

Section 14 - TRANSPORT INFORMATION

This material is classified for transport as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Non-Regulated Material. Limited Quantity			

Section 15 - REGULATORY INFORMATION

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- None

CERCLA-SARA Hazard Category: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

- None

Sara Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

- None

Section 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="2"/>	HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	<input type="text" value="3"/>	
PHYSICAL HAZARD	<input type="text" value="1"/>	
PERSONAL PROTECTION	<input checked="" type="checkbox"/>	

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