MATERIAL SAFETY DATA SHEET

TRIM CEMENT (AA-A) & WEB STICK TRIM CEMENT (AW-S) AEROSOLS

6/22/05

SECTION I–MANUFACTURER

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SECTION II–PRODUCTS

Stock Number	Product Name on Label	Numbers of Ingredients in Products	HMIS RATING H	F	R	Appearance and Odor	Solubility % in Water	Volatile Volume%
AA-A	Trim Cement	1,3,5,7,8	2*	4	0	Fine amber spray, strong solvent	20-25	85-90
AW-S	Web Stik Trim Cement	1,2,4,5,6,7,8,9	2*	4	0	Coarse amber spray, strong solvent	15-20	85-90

***See NOTE in SECTION VI.**

SECTION III–HAZARDOUS INGREDIENTS

Ingredients	CAS Number	Exposure Limits in ppm (parts per million) ACGIH TLV	NIOSH	OSHA PEL
1. Acetone	67-64-1	500	250	1000
2. Amorphous Silica	7631-86-9	10*	–	6*
3. n-Butane	106-97-8	1000	800	–
4. Cyclohexane	110-82-7	100	300	300
5. n-Hexane**	110-54-3	50 S	50	200
6. Hexane Isomers	107-83-5	500	100	–
7. Propane	74-98-6	1000	1000	1000
8. Styrene-Butadiene Polymer	9003-55-8	----Not Determined----		
9. Terpene Resin	Proprietary	----Not Determined----		

*mg/m^3 as dust, S means Skin - vapor exposure to the skin must also be considered ****See NOTE in SECTION VI.**

SECTION IV–PHYSICAL DATA

Pressure of Can Contents: Maximum pressure less than 140 PSI GAUGE @ 130°F (54°C).
Evaporation Rate: Faster than n-Butyl Acetate.
Vapor Density: Heavier than air.
Solubility in Water (Wt%): See SEC. II.
Volatile Volume % : See SEC. II. **Approximate Boiling Point:** -40° F. **Product Density (water=1):** Less than 1.
Appearance and Odor: See SEC. II.

SECTION V–FIRE AND EXPLOSION DATA

Flammability Class: Extremely Flammable Aerosol.
Flash Point (Tag Closed Cup Method): Less than -40° F.
Approximate Flammable Limits: 1.2 to 12.8 Weight %
Autoignition Temperature: Unknown.
Extinguishing Media: Foam, carbon dioxide, dry chemical
Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus, is recommended because highly toxic gasses may be generated by combustion or thermal decomposition. Water from fog nozzles may be used to cool closed containers to prevent pressure build up (containers may leak or burst when heated).
Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, electric motors, smoking or other ignition sources at locations far from material handling point. At elevated temperatures [130°F (54°C) or over] containers may vent, rupture or burst.

SECTION VI–HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Inhalation, Skin contact, Eye contact.

SIGNS AND SYMPTOMS OF EXPOSURE:

INHALATION:

Acute Exposure: Solvent vapors at concentrations above the TLV can irritate the respiratory tract (nose, throat, lungs) causing a burning sensation, runny nose, sore throat, coughing, chest discomfort (tightness). May cause central nervous system depression with the following progressive symptoms: headache, dizziness, nausea, staggering gait, confusion, unconsciousness, cessation of breathing and death.

Chronic Exposure: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Symptoms include: loss of memory, loss of intellectual ability and loss of coordination. **NOTE:** Prolonged and/or repeated overexposure to **5. n-Hexane** may cause Peripheral Neuropathy (damage to nerve tissue of the arms or legs) resulting in muscular weakness and loss of sensation in some or all of the following: fingers, hands, arms, toes, feet or legs. **NOTE: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING ANY SOLVENT VAPORS MAY BE HARMFUL OR FATAL!**

SKIN CONTACT:

Acute Exposure: Repeated or prolonged skin contact with solvents can result in dry, defatted and cracked skin causing increased susceptibility to infection. Skin irritation may develop into contact dermatitis.

Chronic Exposure: Exposure to small amounts of solvent over long periods of time may cause some or all of the symptoms as in acute exposure to solvents.

EYE CONTACT:

Acute Exposure: Irritation of the eyes with itching, burning, redness and even permanent tissue damage if sprayed directly into the eyes and not flushed out immediately.

Chronic Exposure: Irritation of the eyes with itching, burning, redness.

INGESTION:

Acute Exposure: (Not likely unless deliberately sprayed into mouth.) Irritation to the mouth, and if swallowed, to the esophagus, stomach tissue and digestive tract. If swallowed, vomiting may cause breathing of liquid solvent resulting in chemical pneumonia.

Chronic Exposure: Unknown.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: (See NOTE) None specifically known to Crest Industries, Inc. but it is possible that eye, respiratory tract, skin, liver, kidney, blood cell formation, nervous system and brain diseases may be aggravated by overexposure to the products on this MSDS.

CARCINOGENICITY: Product not listed by NTP, IARC or OSHA.

SECTION VII–EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush with clean, lukewarm water (low pressure) for at least 15 minutes while lifting eyelids. Refer person to physician for immediate attention.

SKIN CONTACT: Remove contaminated clothing immediately. Clean affected areas thoroughly with waterless hand cleaner or wash with soap and water. Wash contaminated clothing thoroughly before reuse. Seek medical attention if irritation develops or persists.

INHALATION: Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention.

INGESTION: DO NOT INDUCE VOMITING! Consult physician, hospital emergency room or poison control center immediately. Have list of ingredients available.

NOTES TO PHYSICIAN:

Eyes: May cause conjunctivitis. Stain for evidence of corneal injury.

Skin: Treat as any contact dermatitis.

Inhalation: Treat as for solvent vapor inhalation. Bronchodilators, expectorants and antitussives may help.

Ingestion: Treat as for solvent ingestion. Inducing vomiting is contraindicated because of the possibility of chemical pneumonia caused by aspiration of solvent liquid.

SECTION VIII–EMPLOYEE PROTECTION RECOMMENDATIONS

EYE PROTECTION: Desirable during use of aerosol products. Wear safety glasses, splash goggles or face shield. Contact lenses should not be worn.

SKIN PROTECTION: Cover as much of the skin as possible with appropriate clothing. Wear solvent resistant gloves.

VENTILATION AND RESPIRATORY PROTECTION: If exhaust ventilation sufficient to keep the airborne concentrations of solvents and propellants below their respective TLV's is not possible, an OSHA/MSHA approved TC23C Paint Spray Respirator with Particulate Prefilter or TC19C Air Supplied Respirator must be used. Observe OSHA regulations (29 CFR 1910.134) for respirator use.

NOTE: THERE MUST ALWAYS BE ENOUGH VENTILATION TO KEEP VAPOR CONCENTRATION BELOW THE LOWER FLAMMABLE LIMIT!

OTHER PROTECTIVE MEASURES: Eyewash stations should be available. Educate and train employees in safe use of the product. Follow all label instructions.

SECTION IX–REACTIVITY DATA

STABILITY: Stable under normal room conditions.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: By high heat and fire: carbon dioxide, carbon monoxide, hydrocarbon vapors, smoke.

SECTION X–SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Put on protective equipment including respiratory protection. Prevent further spillage. Evacuate nonessential personnel. Remove all sources of ignition and ventilate the area. Keep spill from reaching sewers and waterways. Cover the spill with sawdust, vermiculite, Fuller's Earth or other absorbent material. Collect material with non-sparking tools and put in a tightly sealed container. Remove container to a safe place.

WASTE DISPOSAL METHOD: Follow all federal, state and local environmental control regulations. Incineration of the adhesive is the preferred method. **DO NOT PUT AEROSOL CONTAINERS IN A HOME TRASH COMPACTOR! DO NOT INCINERATE (OR BURN) AEROSOL CONTAINERS EVEN WHEN EMPTY!** Containers may become pressurized and burst even if they will not spray. Containers must be handled with care due to flammable, toxic and pressure producing residue.

RCRA STATUS: Since these products contain ignitable and toxic chemicals, they are hazardous when discarded.

SECTION XI–SPECIAL PRECAUTIONS & STORAGE DATA

STORAGE TEMPERATURE

MINIMUM / MAXIMUM: 50°F (10°C) / 120°F (49°C)

RECOMMENDED SHELF LIFE: One year

PRECAUTIONS TO BE TAKEN IN HANDLING, STORAGE AND USE: Keep away from heat, sparks and open flame. Do not store in temperatures above 120°F (49°C) or in direct sunlight. Do not inhale vapors or spray mist. Avoid contact with skin and eyes. Wash hands after use and before eating, drinking, smoking or using the toilet. Employee education and training in the safe use and handling of these materials are required under the OSHA Hazard Communication Standard (29CFR 1910.1200).

KEEP OUT OF THE REACH OF CHILDREN

SECTION XII–ENVIRONMENTAL PROTECTION AGENCY (EPA) REGULATORY INFORMATION

The percentage table is to be used to meet Environmental Protection Agency (EPA) Regulations:

1. 40 CFR Part 370 Emergency and Hazardous Chemical Inventory Forms and Community Right-to-Know Reporting Requirements. **2.** Title III Section 313 Toxic Chemical Release Reporting Requirements.

Note: All the chemicals listed must be considered for 1. above. Only the ones marked with an asterisk (*) fall under 2.

HAZARDOUS INGREDIENTS IN PRODUCTS–APPROXIMATE MAXIMUM PERCENTAGES BY WEIGHT

Ingredients	CAS Number	AA-A	AW-S
1. Acetone	67-64-1	20	16
2. Amorphous Silica	7631-86-9	–	03
3. n-Butane	106-97-8	12	–
4. Cyclohexane	110-82-7	–	01
*5. n-Hexane	110-54-3	37	19
6. Hexane Isomers	107-83-5	–	14
7. Propane	74-98-6	13	29
8. Styrene-butadiene Polymer	9003-55-8	Proprietary	
9. Terpene Resin	Proprietary	Proprietary	
Physical Hazard-Fire		82	79
Physical Hazard-Pressure Release		25	30
Health Hazard-Acute		82	82
Health Hazard-Chronic		37	20
Physical Hazard-Reactivity		NOT A HAZARD	
Aerosol Level		3	3

SECTION XIII–VOLATILE ORGANIC COMPOUND (V.O.C.) CONTENT ACCORDING TO THE FEDERAL EPA REGULATIONS

Percent by Weight: **AA-A:** 62.4 **AW-S:** 64.5
Pounds per Gallon: **AA-A:** 3.58 **AW-S:** 3.59
Grams per Liter: **AA-A:** 429 **AW-S:** 430
Pounds per Can: **AA-A:** 0.439 **AW-S:** 0.686

SECTION XIV–CALIFORNIA PROPOSITION 65 WARNINGS

According to the California Safe Drinking Water and Toxic Enforcement Act (PROPOSITION 65) "No person in the course of doing business shall knowingly and intentionally expose any individual to a chemical known to the State of California to cause cancer, birth defects or reproductive toxicity without first giving clear and reasonable warning to such individuals of such an exposure". The following warning applies:

WARNING: These products contain chemicals known to the State of California to cause cancer and Birth defects or other reproductive harm.

SECTION XV–OZONE DEPLETION IN THE UPPER ATMOSPHERE

No upper atmosphere ozone depleting chemicals are present in these products.