Material Safety Data Sheet

803-1329 FAST REDUCER (LOW HAPS)

1 . Product and company identification

Code : 803-1329

Synonym : FAST REDUCER (LOW HAPS)

Material uses : Coatings: Surface coatings and finishes.

Manufacturer : Chemcraft® Coating Technology Inc.
311 Otterson Drive, Suite 60
Chico, CA 95928
Ph:530-894-3585 Fax:530-896-0657

In case of emergency : 1-800-424-5571

Validation date : **6/7/2007.**

Print date : 6/23/2007.

Validator : **K. DeBiasi**

2. Hazardous ingredients

Name	CAS number	%
Ethyl Acetate	141-78-6	30 - 50
Ethyl alcohol	64-17-5	30 - 50
Toluene	108-88-3	5 - 15
Isopropanol	67-63-0	1 - 5
Methanol	67-56-1	1 - 5

Trace impurities and additional material names not listed above may appear in other sections of this MSDS. These materials may be listed for toxicological concerns, local compliance, or other reasons.

* Toxicological information, if available, is listed in section 11

3. Hazards identification

Physical state : Liquid.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Routes of entry : Dermal contact. Eye contact. Inhalation. Ingestion.

Effects of Acute Exposure : Do not get in eyes or on skin or clothing. Wash thoroughly after handling.

Potential chronic health effects : **CARCINOGENIC EFFECTS**: Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC [Acetic Acid, Ethyl Ester]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Ethanol]. Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC, None. by OSHA [Methanol].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical conditions aggravated by over-exposure : Repeated or prolonged exposure to the substance can produce target organs damage.

See toxicological information (section 11)

4 . First aid measures

Eye contact : Get medical attention immediately. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses.

Skin contact : Get medical attention immediately. Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing or wear gloves. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation : Get medical attention immediately. Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion : Get medical attention immediately. Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

5 . Fire-fighting measures

Flammability of the product : Flammable.

Products of combustion : These products are carbon oxides (CO, CO_2).

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.

Special exposure hazards : No specific hazard.

Special Remarks on Fire Hazards : Containers should be grounded. (Ethanol)

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Fire Hazards in Presence of Various Substances : Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Flammable in the presence of the following materials or conditions: heat.
Slightly flammable in the presence of the following materials or conditions: oxidizing materials.

Explosion Hazards in Presence of Various Substances : Highly explosive in the presence of the following materials or conditions: open flames, sparks and static discharge.

6 . Accidental release measures

Personal precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7 . Handling and storage

Handling : Do not get in eyes or on skin or clothing. Wash thoroughly after handling.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 . Exposure controls/personal protection

Product name	Exposure limits
Acetic Acid, Ethyl Ester	**ACGIH TLV (United States).** TWA: 400 ppm 8 hour/hours. TWA: 400 ppm

Consult local authorities for acceptable exposure limits.

Engineering measures : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal protection

Eyes : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9 . Physical and chemical properties

Physical state : Liquid.

Flash point : The lowest known value is Closed cup: -1°C (30.2°F). (Tagliabue). Open cup: -0.5°C (31.1°F). (Tagliabue). (Acetic Acid, Ethyl Ester)

Auto-ignition temperature : The lowest known value is 422°C (791.6°F) (Ethanol).

Flammable limits : The greatest known range is Lower: 6% Upper: 36.5% (Methanol)

pH : Neutral.

Boiling/condensation point : The lowest known value is 64.5°C (148.1°F) (Methanol). Weighted average: 80.88°C (177.6°F)

Melting/freezing point : May start to solidify at -83.6°C (-118.5°F) based on data for: Acetic Acid, Ethyl Ester. Weighted average: -96.54°C (-141.8°F)

Relative density : 0.8454 (Water = 1)

Vapor pressure : The highest known value is 12.2 kPa (91.8 mm Hg) (at 20°C) (Methanol). Weighted average: 7.36 kPa (55.2 mm Hg) (at 20°C)

Vapor density : The highest known value is 3.14 (Air = 1) (Benzene, methyl-). Weighted average: 2.43 (Air = 1)

Evaporation rate : 7.5 (Acetic Acid, Ethyl Ester) compared with Butyl acetate.

Dispersibility properties : Partially dispersible in methanol, diethyl ether.
See solubility in water, methanol, diethyl ether, n-octanol.

9 . Physical and chemical properties

Solubility : Easily soluble in cold water, hot water, methanol, diethyl ether.
Soluble in n-octanol.

10 . Stability and reactivity

Stability and reactivity : The product is stable.

Incompatibility with various substances : Highly reactive or incompatible with the following materials: oxidizing materials.
Slightly reactive or incompatible with the following materials: reducing materials, organic materials, metals, acids and alkalis.
Non-reactive or compatible with the following materials: moisture.

11 . Toxicological information

Toxicity data

Product/ingredient name	Test	Result	Route	Species
Acetic Acid, Ethyl Ester	LD50	5620 mg/kg	Oral	Rat
	LD50	4100 mg/kg	Oral	Mouse
	LD50	4935 mg/kg	Oral	Rabbit
	LC50	45000 mg/m^3 (2 hour/hours)	Inhalation	Mouse
	LC50	16000 ppm (6 hour/hours)	Inhalation	Rat
Ethanol	LD50	7060 mg/kg	Oral	Rat.
	LC50	8000 mg/l (4 hour/hours)	Inhalation	Rat.
Methanol	LD50	6200 mg/kg	Oral	Rat.
	LD50	5600 mg/kg	Oral	Rat
	LD50	15800 mg/kg	Dermal	Rabbit.
	LC50	64000 ppm (4 hour/hours)	Inhalation	Rat.

Chronic effects on humans : **CARCINOGENIC EFFECTS**: Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC [Acetic Acid, Ethyl Ester]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Ethanol]. Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC, None. by OSHA [Methanol].
Contains material which causes damage to the following organs: the nervous system, the reproductive system.

Other toxic effects on humans : Hazardous in case of skin contact (permeator), of ingestion, of inhalation.
Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).

Special remarks on chronic effects on humans : Inhalation of vapors may cause dizziness, an irregular heartbeat, narcosis, nausea or asphyxiation. (Benzene, methyl-)

Special remarks on other toxic effects on humans : Moderately toxic and narcotic in high concentrations. Experimentaly tumorigen. (Ethanol)

Specific effects

Carcinogenic effects : No known significant effects or critical hazards.

Mutagenic effects : No known significant effects or critical hazards.

Teratogenicity / Reproductive toxicity : No known significant effects or critical hazards.

12 . Ecological information

Environmental precautions : No known significant effects or critical hazards.

Octanol/water partition coefficient : The product is more soluble in water.

Bioconcentration factor : Not available.

Products of degradation : These products are carbon oxides (CO, CO_2) and water.

Toxicity of the products of biodegradation : The product itself and its products of degradation are not toxic.

13 . Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 . Transport information

Regulatory information	UN number	Class	PG*	Label
TDG Classification	1263 PAINT RELATED MATERIAL	3	II	

PG* : Packing group

15 . Regulatoryinformation

United States

HCS Classification : Highly toxic material
Target organ effects

U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Methanol
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Acetic Acid, Ethyl Ester: Fire hazard, Immediate (acute) health hazard; Benzene, methyl-: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; 2-Propanol: Fire hazard, Delayed (chronic) health hazard

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

15 . Regulatoryinformation

State regulations : **WARNING:** This product contains chemical/chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.: Benzene; Benzene, methyl-
WARNING: This product contains chemical/chemicals known to the state of California to cause reproductive harm (male).: Benzene
WARNING: This product contains chemical/chemicals known to the state of California to cause birth defects or other reproductive harm.: Benzene; Benzene, methyl-
WARNING: This product contains chemical/chemicals known to the state of California to cause cancer.: Benzene
New York release reporting list: Acetic Acid, Ethyl Ester; Methanol
Rhode Island RTK hazardous substances: Acetic Acid, Ethyl Ester; Methanol
Pennsylvania RTK: Acetic Acid, Ethyl Ester; Benzene, methyl-; Methanol: (environmental hazard); 2-Propanol; Ethanol
Florida: Acetic Acid, Ethyl Ester; Methanol
Minnesota: Acetic Acid, Ethyl Ester; Methanol; Ethanol
Massachusetts RTK: Acetic Acid, Ethyl Ester; Methanol; 2-Propanol; Ethanol
New Jersey: Acetic Acid, Ethyl Ester; Benzene, methyl-; Methanol; 2-Propanol; Ethanol
TSCA 8(b) inventory: Acetic Acid, Ethyl Ester; Benzene, methyl-; 2-Propanol; Ethanol
TSCA 5(e) substance consent order: Acetic Acid, Ethyl Ester
TSCA 12(b) annual export notification: Acetic Acid, Ethyl Ester
SARA 302/304/311/312 hazardous chemicals: Methanol
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Acetic Acid, Ethyl Ester: Fire hazard, Immediate (acute) health hazard; Benzene, methyl-: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; 2-Propanol: Fire hazard, Delayed (chronic) health hazard
CERCLA: Hazardous substances.: Acetic Acid, Ethyl Ester; Benzene, methyl-: 1000 lbs. (453.6 kg); Methanol: 5000 lbs. (2268 kg);

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Acetic Acid, Ethyl Ester	No.	No.	No.	No.
Benzene, methyl-	No.	Yes.	No.	No.
Benzene	Yes.	Yes.	No.	No.

Canada

WHMIS (Canada) : Class B-2: Flammable liquid
Class D-1A: Material causing immediate and serious toxic effects (Very toxic).
Class D-2A: Material causing other toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

16 . Other information

Label requirements : CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: NERVOUS SYSTEM, REPRODUCTIVE SYSTEM.
FLAMMABLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FLASH FIRE.

Hazardous Material Information System (U.S.A.) :

Health	*	1
Fire hazard		3
Reactivity		0
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16 . Other information

Personal protection

* Indicates may be chronic effects

National Fire Protection Association (U.S.A.) :

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.