

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name : ChromeFX Activator
 Product Code : CFX-C

Recommended use of the chemical and restrictions on use

Recommended use : Intermediate Solvent

Manufacturer Information : Alsa Refinish LLC,
 1213 E. 58th Pl.
 Los Angeles, CA 90001
 Tel: 323-515-1100

Emergency Response : Infotrac 800-535-5053 // 352-323-3035

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Acute Toxicity (inhalation) : Category 3
 Acute Toxicity (Oral) : Category 4
 Skin Irritation : Category 1B
 Eye Irritation : Category 1
 Corrosive to Metals : Category 1
 Specific target organ toxicity single exposure : Category 3 (Respiratory tract irritation)

GHS Label Element

Hazard Pictograms



Signal Word : DANGER
 Physical State : Product is liquid

HAZARD STATEMENTS

: H290 May be corrosive to metals
 : H302 Harmful if swallowed
 : H314 Causes severe skin burns and eye damage
 : H331 Toxic if inhaled
 : H335 May cause respiratory irritation
 : H412 Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention : P234 Keep only in original container
 : P260 Do not breathe mist and vapors
 : P264 Wash with plenty of water and soap thoroughly after handling
 : P270 Do not eat, drink or smoke when using this product.
 : P271 Use only outdoors or in a well-ventilated area.
 : P273 Avoid release to the environment
 : P270 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response	<p>: P305+P351+P335: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>: P310 Immediately call a POISON CENTER or doctor/physician.</p> <p>: P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>: P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>: P301-P330+P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting</p> <p>: P370+P378 IN CASE of FIRE: Use alcohol resistant foam, carbon dioxide, dry powder or water spray for extinction.</p> <p>: P363 Wash contaminated clothing before use.</p>
Storage	<p>: P233 Keep container tightly closed.</p> <p>: P403+P235 Store in well-ventilated place. Keep cool</p> <p>: P405 Store locked up/</p>
Disposal	<p>: P501 Dispose of the contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.</p>

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Concentration Weight %
Formic Acid	64-18-6	20-25 %
Stannous Chloride	10025-69-1	2-5 %
Hydrochloric Acid	7647-01-0	15-20 %

SECTION 4: FIRST AID MEASURES

Inhalation	<p>: Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.</p>
Skin Contact	<p>: In case of contact with substance, immediately flush skin with running water for atleast 20 minutes. Wash skin with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention.</p>
Eye Contact	<p>: If product comes in contact with your eyes: Rinse cautiously with water for several minutes. Remove contact lenses, continue rinsing. If eye irritation persists, Get medical attention.</p>
Ingestion	<p>: DO NOT induce vomiting immediately after consumption provide large amounts of water then induce vomiting, touching back of the throat w/ finger.</p>
Notes to Physician	<p>: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.</p>

- For symptoms and effects, of both acute and delayed symptoms, refer to section 11 toxicological information.

SECTION 5: FIREFIGHTING MEASURES

Specific Hazards Arising from the chemical : Liquid and vapor are highly flammable. Severe fire hazard when exposed to heat, flame and .or oxidizers. Vapor may travel a considerable distance to source of ignition. Vapors may also travel along the ground to be ignited at locations distant from the handling site; flashback of flame to the handling site may occur. Keep containers tightly closed. Heating may cause expansion or decomposition leading to violent rupture of the containers. Isolate from heat, sparks, electrical equipment and open flame. Closed containers may explode if exposed to extreme heat. Drum lids can be blown off. Do not apply to hot surfaces. On combustion, may emit toxic fumes of carbon monoxide (CO) or nitrous gases. Over exposure to decomposition products may cause health hazard.

Extinguishing Media : Use water fog/spray, alcohol-resistant foam, dry chemical or CO2. Do not use a direct stream of water. Product will float and may be reignited on surface of water. Water may be used to cool un-ruptured containers but may be ineffective on burning liquid. If water is used, fog nozzles are preferable. Do not enter area without proper protection equipment including NIOSH approved self-contained breathing apparatus. In case of large fires, also cool surrounding equipment and structures with water. After the fire is extinguished, material may be unstable, could reignite or produce toxic fumes. Therefore, ensure that residual material is thoroughly wetted with water.

NFPA Flammable and Combustible Liquids Classification

Non Flammable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions :Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. For personal protection (see Section 8).

Emergency Procedures : As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150ft) in all directions. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area.) Keep out of low areas. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.

Large Spills :Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapor cloud forms water fog may be used to suppress; contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal according to the local/national regulations (see Section 13).

Small Spills	: Take up with an absorbent material and place in non-leaking containers. Seal tightly for proper disposal.
Environmental Precautions	: Avoid run off to waterways and sewers. Prevent spillage from entering drains, surface and groundwater. Contain and recover liquid when possible. Report the accidental spill/release to local State/Government.

SECTION 7: HANDLING AND STORAGE

Precaution for Safe Handling	: Do not handle until manufacturer safety precautions have been read and understood. Do not store above 90° F. Store large quantities only in buildings designed to comply with OSHA 1910-106. Keep closure tight and container upright to prevent leakage. Store drum out of sun and away from heat. Release internal pressure at least weekly by slowly loosening closure and retightening immediately. Do not store or use near heat, sparks or flame. Store only in well-ventilated areas. Drums of this material should be grounded and bonded when pouring. Never use pressure to empty drum, it is not a pressure vessel. Do not puncture, drag or slide container. Drums must not be washed out or used for other purposes. Do not get in eyes and avoid skin contact. Can cause allergic skin or respiratory reactions. Cannot be made non-poisonous. Liquid may penetrate shoes and leather causing irritation. Prevent prolonged or repeated breathing of vapor or overspray. Avoid contact with or breathing vapors released during drying or curing process. Do not weld or flame-cut empty drum. Do not eat or smoke in areas where this product is handled, processed or stored. Wash with soap and water before eating.
Respiratory Protection	: If exposure may or does exceed occupational exposure limits use a NIOSH-approved respirator to prevent overexposure. In accord with 29 CFR 1910-134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.
Protective Clothing	: Wear impervious gloves and protective clothing as required to prevent skin contact. Wear chemical goggles to prevent eye contact.
Additional Protective Measures	: Use explosion proof ventilation as required to control vapor concentrations.
Ventilation	: Sufficient ventilation must be provided to keep air contaminant concentrations below current applicable OSHA permissible exposure limit. Additional engineering controls, work practices and training may be required depending on exposure levels. These are discussed in the OSHA respiratory protection standard (290 CFR 1910-134) and OSHA Hazard Communications Standard (29 CFR 1910.120).
Smoking and Eating	: Do not smoke, consume or store food or drinks in areas where the product is handled or stored. After handling the product, wash hands thoroughly before leaving the work area.

Contaminated Items : Empty product containers, contaminated clothing and cleaning materials, etc. should be considered hazardous until decontaminated or properly disposed of according to federal, state and local laws and regulations.

Conditions for safe storage
Including any incompatibilities : Store in cool/low temperature, well-ventilated place away from heat and ignition sources. Keep container closed when not in use. Keep away from incompatible materials.

Incompatible materials
or ignition sources : Keep away from heat, ignition sources, oxidizers and strong acids.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Limits/Guidelines : ACGIH 2 mg/m3 TWA

Exposure Controls
Engineering Measures/Controls : Adequate ventilation systems as needed to control concentrations or airborne contaminants below exposure limit values and lower explosive limit. Eye wash stations or portable eye wash should be available on site and when product is used.

PERSONAL PROTECTIVE EQUIPMENT



Eye Protection : Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. Chemical goggles should be worn during transfer operations or when there is a likelihood of misting, splashing, or spraying of this material. A suitable emergency eye wash water and safety shower should be located near the work station.

Skin protection : Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Clothing : Avoid skin contact. Wear long-sleeved fire-retardant garments while working with flammable and combustible liquids. Additional chemical-resistant protective gear may be required if splashing or spraying conditions exist. This may include an apron, boots and additional facial protection. If product comes in contact with clothing, immediately remove soaked clothing and shower. Promptly remove and discard contaminated leather goods.

Respirators	: Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134) For airborne vapor concentrations that exceed the recommended protection factors for organic vapor respirators, use full-face, positive pressure supplied air respirator. Due to fire and explosion hazards, do not enter atmospheres containing concentrations greater than 10% of the lower flammable limit of this product.
General Industrial Hygiene	: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Safety shower and eye wash should be available close by.
Environmental exposure control	: Follow best practice for site management and disposal of waste. Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Material Description

Physical Form	: Transparent Liquid
Color	: Clear Liquid
Odor	: Strong Solvent Odor

General Properties

Boiling Point	: 212° F Viscosity / No Data Available
Decomposition Temp	: N/A Volatility / Equal to Water
PH Rating	: 1-2 Vapor Pressure / Equal to Water
Density	: 9.35lbs per Gal. Evaporation Rate / Equal to Water
Water Solubility	: Soluble VOC (Vol.) / None
Auto-ignition Temp	: N/A
Oxidizing Properties	: N/A Flash point / None
Vapor Density	: Equal to Water Specific Gravity / 1.12
WT/GAL	: 9.35 LEL/None UEL/None

SECTION 10: STABILITY AND REACTIVITY

Stable	: Yes
Hazardous Polymerization	: No
Reactivity	: Vapor is explosive when exposed to heat or flame.
Chemical Stability	: Stable
Possibility of Hazardous Reaction	: No
Hazardous Decomposition Products	: C12 Gas
Instability	: This product is normally stable

SECTION 11: TOXICOLOGICAL INFORMATION

Important Notice: Reports have associated repeated and prolonged occupational over exposure caps to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling solvents may be harmful or fatal. There may be medical conditions or allergies that become worse upon exposure to solvent containing products.

Routes of exposure

Eye, Skin, Inhalation, Ingestion. Symptoms (treatments as indicated in section 4)

Eye	: The liquid produces a high level of eye discomfort and is capable of causing pain and severe conjunctivitis; corneal injury may develop, if not promptly and adequately treated there may be permanent impairment of vision. May produce eye irritation in some persons and produce eye damage 24 hours exposure. Severe inflammation may be expected with pain. Conjunctivitis can occur following repeated exposure.
Skin	: Contact with the material may damage the health of the individual; systemic effects may result following absorption. The material may cause moderate inflammation of the skin following direct contact. Repeated exposure can cause contact dermatitis which is characterized by redness, swelling and blistering.
Ingestion	: Accidental ingestion of the material may be harmful may be fatal or may produce serious damage to the health of an individual. Swallowing of the fluid may cause aspiration into the lungs with the risk of chemical pneumonitis; (ICSC13733). Ingestion may result in nausea, pain and vomiting. Vomit entering the lungs by aspiration may cause potentially lethal chemical pneumonitis.
Inhalation	: Inhalation of vapors or aerosols (mists, fumes), can cause respiratory irritation in some persons. Inhalation of the vapors may cause drowsiness and dizziness. This may be accompanied by sleepiness, reduced alertness and loss of reflexes reduced co-ordination and vertigo. Inhalation of high concentrations of gas/ vapor causes lung irritation with coughing and nausea, central nervous depression with headache and dizziness, slowing of reflexes, fatigue and in co-ordination. If exposure to highly concentrated solvent atmosphere is

prolonged this may lead to narcosis, unconsciousness, even coma and possible death. The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing. Before use mechanical ventilation should be considered.

Chronic Exposure : Long term occupational exposure may cause substance accumulation in a human body.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Fate:

CAS # 64-18-6 : Toxicity to Fish LC50 (96 h) 130 ,g/l,
 Brachydanio rerio (OECD 203; ISO 7346; 92/96/EEC, C.1 Static).
 Aquatic Invertebrates: EC50 (48 h) 365 mg/l,
 Daphnia Magna (OECD Guideline 202, part 1, static)
 Aquatic plants EC50 (72 h) 1,240 mg/l (growth rate)

CAS # 7647-01-0 : Toxicity to Fish LC50 Western mosquito fish (Gambusia affinis 282 mg/l, 96h

CAS # 10025-69-1 : LC50 37mg/l (24 h; Daphnia magna; anhydrous form.
 EC50.1 mg/l (96 h; Crangon sp,; Anhydrous form.)
 EC50 71.8 mg/l (48 h; Crangon sp; Anhyrous form.)

SECTION 13: DISPOSAL CONSIDERATIONS

Use only licensed transporters and permitted disposal facilities and conform to all laws. Recycle to process, if possible. Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused materials, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and no hazardous wastes. The container for this product can present explosion or fire hazards, even when emptied. To avoid rick of injury, do not cut, puncture or weld on or near this container. Since the emptied containers retain product residue, follow label warnings even after container is emptied.

RCRA P-Series : None listed
 RCRA U-Series : None listed
 EPA SARA Title III, Section 313

SECTION 14: TRANSPORTATION INFORMATION

Shipping Information : Ground/ Air/ IMDG
 Shipping Name : Corrosive solid, acidic
 Hazard Class : 8
 UN/NA Class : UN1760

Label : Corrosive
 Packing Group : II



SECTION 15: REGULATORY INFORMATION

United States:

This SDS has been prepared to be in compliance with OSHA regulations and with the New Jersey Right-to-know regulations.

Below are the lists of chemicals name and CAS # for each:

Specially hazardous ingredient > 1.0 % (OSHA is .0.1 %)

Hazardous ingredient > 1.0 % (OSHA is the same)

Non-Hazardous ingredient >3.0 % (OSHA does not regulate)

SARA

Section 302 (RQ)

None of the chemicals in this material have TPQ.

Clean Air Act

This product does contain a hazardous air pollutants (HAP), hydrochloric Acid, CAS#7647-01-0 defined by the U.S. Clean Air Act Section 12 (40 CFR 61)

STATE

European/International Regulations:

European labeling in Accordance with EC directives

Hazard symbols: Xn, Xi

Risk Phrases:

R22 : Harmful is swallowed

R36 : Irritating to Eyes

R37 : Irritating to respiratory system

R38 : Irritating to skin

R52 : Harmful to aquatic organisms

R53 : May cause long-term adverse effects in the aquatic environment

Safety Phrases : S28A After contact with skin, wash immediately with plenty of water.

HMIS:
Health 3
Flammability 0
Reactivity 0
PPE F

NFPA:
Health 3
Flammability 0
Reactivity 0



SECTION 16: OTHER INFORMATION

Disclaimer of Liability:

Alsa Refinish LLC, makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the user's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.