

ChromeFX Activator Super Concentrate

Material Safety Data Sheet dated July 5, 2007

Section 1: IDENTIFICATION OF THE PRODUCT AND OF THE PRODUCERTrade name: **ChromeFX Activator Super Concentrate**Manufactured for: Alsa Corporation
2640 E. 37th Street
Vernon, CA 90058
Tel: 323-581-5200Emergency telephone number of the company and/or of an authorised advisory center:
Infotrac Chemical Emergency Response – 800-535-5053 / 352-323-3500**Section 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Name	Case Number	EINECS-NO	CONC
N-Propanol	71-23-8	200-746-9	15-25
Hydrochloric Acid	7647-01-0	231-595-7	2-10
Stannous Chloride	7772-99-8	231-868-0	2-10
Trade Secret			1-5
Water	7732-18-5	231-791-2	50-80

Section 3: HAZARDS IDENTIFICATION

Emergency overview:

Appearance: Colorless

Odor: Pungent

Potential health effects: Eye contact: Cause eye burns. Concentrated HCl will cause permanent eye damage including blindness.

Skin contact: Cause burns. Corrosive Ingestion: Burns, nausea, vomiting

Inhalation: Causes burns, choking, tooth erosion, pneumonitis.

Chronic effects: Chronic overexposure may cause erosion of teeth.

Cancer/Reproductive Toxicity Information:

Osha Listed: No

IARC Group 3: Non-classification

Hydrochloric acid

NTP Listed: No

Advanced Cancer/Reproductive Toxicity Information: Not-applicable

Toxicologically Synergistic Products: None reported

EINECS(European Inventory For existing Commercial Chemical Substances)

C: Corrosive

XI: Irritant

R34: Causes burns

R37: Irritable to respiratory systems.

Section 4: FIRST AID

Eye contact: Immediately flush eyes with water for 15 minutes lifting lower and upper eyelids occasionally. Call a physician immediately.

Skin contact: Wash skin with mild soap and water for 15 minutes. Remove contaminated clothing. Get medical attention immediately.

Ingestion: If swallowed, do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention immediately.

Section 5: FIRE FIGHTING MEASURES.

Not flammable but reacts with most metals to form flammable hydrogen Gas. During a fire, corrosive and toxic gases may be generated by thermal decomposition.

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Flash point: No applicable limits

Flammability limits in air % by volume.

Lower explosion limit: 2.2 (for propanol)

Upper explosion limit: 14.0

Extinguisher media: water

Fire fighting instructions: As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear. Evacuate area and fight fire from a safe distance.

Section 6: ACCIDENTAL RELEASE MEASURES

Exclusive source of ignition:

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from spill. Wear appropriate personal protective equipment. Dilute with as much water as possible. Dike large spills to keep spilled material from entering sewage and drainage systems or bodies of water. Cover spilled material with an alkaline, such as soda ash or sodium carbonate. Adjust pH between 6 and 9. Use citric acid or sulfuric acid to lower pH. Use soda ash or sodium carbonate to increase pH. Absorb neutralized caustic residue on clay vermiculite or other inert substance and package in a suitable container for disposal. Decontaminate the area of spill with a soap solution. U.S. Regulations (CERCLA) require reporting spills and release to soil, water and air in excess of reportable quantities. Dispose of according to local and national regulations.

Section 7: HANDLING AND STORAGE

Avoid contact with eyes, skin and clothing. Do not breath mist or vapors. Wash hands thoroughly with soap and water after handling. Store away from metals, protect from heat. Keep in a tightly closed container in well ventilated area.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

NAME	CAS #	EINECS NO.	STEL	LTEL(PEL)
Hydrochloric acid	7647-01-0	231-595-7	NE	5 ppm
Stannous chloride	7772-99-8	231-868-0	NE	2 mg/m3
N-propanol	71-23-8	200-746-9	250ppm	200ppm

Ventilation system:

A system of local and/or general exhaust is recommended to keep employee exposure below the airborne exposure limits. local exhaust ventilation is preferred because it can control the emissions of the containment at its source, preventing dispersion of it into the general work area.

Protective gloves: Nitrile rubber or neoprene are recommended.

Eye protection: Chemical safety goggles or face shield. Do not wear contact lenses.

Other protective clothing or equipment: Rubber apron, boots or protective coveralls.

Inhalation protection: Laboratory fume hood

Personal respirators: (NIOSH approved).

If the exposure limit is exceeded and engineering controls are not feasible, a full face-piece respirator (ANSI Z88.2) may be worn. For emergencies or instances where the exposure levels are not known use a full face piece positive pressure, air supplied respirator.

WARNING: Air purifying respirators do not protect workers in oxygen deficient atmosphere.

Section 9: PHYSICAL/CHEMICAL PROPERTIES

Appearance :Straw color

Physical state: Liquid

Molecular weight: Not applicable

Odor: Pungent

Vapor Pressure: (mmHg) Not applicable

Specific Gravity (water=1): 1.0-1.2

Solubility in water: Complete

Vapor density (air =1): Heavier than air

Reactivity in air: None

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Boiling point: >200F

Section 10: STABILITY AND REACTIVITY

Chemical stability: Stable when stored under proper conditions

Conditions to avoid: Heating to decomposition.

Reactivity/Incompatibility: Incompatible with alkalines, bromoine trifluoride and metals.

Hazardous decomposition: Contact with metals may release hydrogen gas.

Heating to decomposition: May release toxic and or corrosive fumes of hydrogen chloride, chlorides.

*Hazardous polymization: WILL NOT OCCUR***Section 11: TOXICOLOGICAL INFORMATION**

Product Toxicological Data

Oral, rats: LD50=5.4g/kg

Inhalation rats: LC50=8000ppm

Demal, rabbits: LD50=6.73g/kg

Chronic Animal Toxicity Data: Lifetime feeding studies in rats indicated that n-propyl alcohol is carcinogenic.

Acute: Corrosive to eyes.

Chronic: Irritating to respiratory tract. chronic studies on inorganic tin compounds indicate that the chronic toxicity is low level.chronic inhalation of dust or fumes of metallic tin or tin oxides has been shown to cause benign pneumoconiosis. Tin tetrachloride, when exposed to moist air or heat, liberates tin oxide and vapors of hydrogen chloride. Signs and symptoms of exposure: Stinging of eyes or skin.

Irritation on breathing fumes.

Medical conditions generally aggravated by exposure: Mostly respiratory ailments.

Chemicals listed as carcinogen or potential carcinogen.

NTP: YES**IARC: YES****OSHA: YES****Section 12: ECOLOGICAL INFORMATION**

Product Ecological Information: No ecological data is available for this product.

Ingredient Ecological Information:

HCL:	LC100 trout	10mg/l 24hrs
	LC50 shrimp	100-300ppm/48-hr (salt water)
	LC50 starfish	100-330mg/l/48hr
	TLM mosquito fish	282ppm/96-hr (fresh water)
	LC50 goldfish	178 mg/l

Section 13: DISPOSAL CONSIDERATIONS

EPA Waste ID Number: D002

Special instructions (**Disposal**): Dilute material with excess water making a weaker than 5% solution.

Adjust to a pH between 6 and 9 with an alkaline, such as soda ash or sodium bicarbonate. Open cold water tap completely.

Slowly pour the reactive material to the drain.

Empty containers: Rinse three times with an appropriate solvent. Dispose of empty containers as normal trash.**Notice (disposal):** These disposal guidelines are based on federal regulations and may be superseded by more stringent state or local requirements. Please consult your local environment regulators for more information.**Section 14: TRANSPORT INFORMATION**

D.O.T 49 CFR

D.O.T (Proper shipping name): Hydrochloric acid solution

D.O.T. hazard class: 8

D.O.T. Label: Corrosive

D.O.T. ID#UN1789

D.O.T. Packaging Group: II

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I.C.A.O.:

I.C.A.O. Proper Shipping Name: Hydrochloric acid solution

I.C.A.O. Hazard Class:8

I.C.A.O. ID #:UN1789

I.C.A.O. Packaging Group: II

I.M.O.: Proper Shipping Name: Hydrochloric acid solution

I.M.O.: Hazard Class: 8

I.M.O. ID#UN1789

I.M.O.: Packaging Group: II

Section 15: REGULATORY INFORMATION

O.S.H.A.: This product meets the criteria for hazardous substance as defined in the Hazard Communication Standard (29CFR 1910.1200)

E.P.A.:

Sara Title III Section 311/312 Categorization (40CFR 370): Immediate (Acute)

Health Hazard: Delayed (Chronic) Health Hazard: Reactive

SARA Title III Section 313 (40 CFR 372): This product does not contain any chemical subject to the reporting Requirements of Section: 313 of Title III of SARA.

302(EHS) TPQ (40 CFR 355): Not applicable

304 CERCLA RQ (40 CFR 302.4): 5000 lbs. Hydrochloric Acid

304 EHS RQ: Not applicable

Clean Water Act (40 CFR 116.4) Hydrochloric Acid-RQ5000lbs

RCRA: Contains RCRA regulated substances.

Waste ID Number: (See section: 13, EPA)

State Regulations:

California Prop. 65: Not applicable

T.S.C.A.: All ingredients in this products are listed in the T.S.C.A inventory.

EINECS:

R41: Risk of serious damage to eyes.

R37: Irritating to respiratory system.

R34: Causes burns.

S1/2: Keep locked up and out of reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45: In case of accident or if you feel unwell seek medical advice immediately.

Section 16: OTHER INFORMATION

HMIS:

Health: 3

Flammability: 1

Reactivity: 1

DISCLAIMER:

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE; HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR RESULTS TO BE OBTAINED FROM THE USE THEREOF.