

CRYSTAL COAT SAFETY DATA SHEET DATED JULY 16TH 2014

SECTION 1: Identification of The Material And Supplier

Hot Foot International LLP
298 Belvedere Ave, Belvedere CA 94920 USA
1.800 533 8421; 1 415 789 5135 fax 1 45 789 0564

Chemical Nature; Chlorinated plastic solution.
Trade Name; 1,1,1-Trichloroethylene
Percent; 1-5%
Product Use; Aerosol plastic coating pressurized spray powered by carbon dioxide.
Compilation date; July 2014

Issue Date; July 16 2014 and is valid for 5 years from issue date.

SECTION 2 : HAZARDS IDENTIFICATION

Hazardous Nature of Product

The active ingredient of this product is classified as hazardous according to the criteria established by the SWA (Safe Work Australia). Dangerous good according to the Australian Dangerous Goods Code.

Risk and Safety Phrases

Risk Phrases R25, R45, R36, R38, R52, R53. Toxic if swallowed. May cause cancer, Irritating to skin and eyes, harmful to aquatic organisms and may possibly cause long term detrimental effects to an aquatic system.

Safety Phrases S2, S20, S23, S45, 53, S61, S24/5, S36/7. Pressurized container, Keep out of reach of children; do not inhale fumes or product especially in enclosed non ventilated environments, avoid direct contact with the skin and eyes. If subjected to prolonged or direct exposure and feel nauseous consult physician and show label and MSDS. Wear appropriate protective clothing such as gloves and safety glasses. Do not eat or drink when using the product.

Standard for the uniform Scheduling of Drugs and Poisons Classification S6

ADG Classification Class 6.1 Toxic Substances

UN Number; 1950

Emergency Overview

Physical appearance; clear colorless liquid spray
Odor; slightly sweet but can be irritating in high concentrations
Major Health Hazards; eye irritant, contact will dry and defat the skin, vapors harmful if swallowed, potential cancer hazard, Contains a material which may cause cancer.

Potential Health Effects

Inhalation

Short Term Exposure; Acute, excessive inhalation may cause nasal and respiratory irritation, dizziness, headache, nausea, possible unconsciousness and even asphyxiation.
Long Term Exposure; No data available for health effects associated with long term exposure.

Skin Contact

Short Term Exposure; Acute; dryness and defatting, irritation and redness. Trichloroethylene can be absorbed through the skin and cause numbness in fingers immersed in liquid
Long Term Exposure; No data available for health effects associated with long term skin exposure.

Eye Contact

Short Term Exposure; Acute; irritation and redness, tearing and blurred vision.
Long Term Exposure; No data available for health effects associated with long term skin exposure.

Ingestion

Short Term Exposure; Acute; can cause gastrointestinal irritation, nausea, dizziness, diarrhea and possible narcosis. Do not administer adrenaline following exposure.
Long Term Exposure; No data available for health effects associated with long term skin exposure.

Carcinogenic Status; Trichloroethylene is classified by the SWA as a Class 2 Carcinogen likely to be carcinogenic to humans. See the SWA website for full details. NTP; no significant ingredient is classified as carcinogenic by NTP.
IARC; Trichloroethylene is classified 2a by the IARC- probably carcinogenic to humans

SECTION 3; COMPOSITION AND INFORMATION ON CONTENTS

Trichloroethylene; 1-5%; CAS number 79-01-6; TWA (ppm) 10; STEL (ppm) 40
Other non toxic
Ingredients; secret proprietary information 95-99%

Note; The TWA exposure value is the average airborne concentration of a particular substance when it is calculated over a regular 8 hour work day for a 5 day working week. The STEL (short term exposure limit) is an exposure value that should not be exceeded for no longer than 15 minutes and should not be repeated more than 4 times a day. There must be at least one hour between consecutive exposures at the short term exposure limit

SECTION 4; FIRST AID

POISONS INFORMATION

CENTER; If you feel that you have been poisoned, irritated or suffered adverse effects from the use of this product then you should call the Poisons Information Center on 12 1126 from anywhere in Australia. Ensure that you have the MSDS available to pass to them when you call.

If in Eyes; Flush immediately with large amounts of water for at least 15 minutes. Call your doctor. Take special care if person is wearing contact lenses.

If on Skin; Wash affected area with soap and water. Launder contaminated clothing before re-use.

If vapors are inhaled; Remove from exposure area. Restore breathing if necessary. Keep warm and quiet. Call your doctor.

If ingested; DO NOT induce vomiting, get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION 5; FIRE FIGHTING MEASURES

Flash Point Method; None
Upper and Lower
Explosive Limit None
Auto ignition temperature Not Established

Appropriate Extinguishers; the solvent will not burn
Unusual Fire and Explosive hazards; none
Special Fire Fighting
Procedures Persons exposed to products of combustion should wear self contained breathing apparatus and full protective equipment.

SECTION 6; ACCIDENTAL SPILL MEASURES

Spill or Leak Procedures; Ventilate the area well, avoid breathing vapors. Dike and contain any material which is spilled to prevent transfer to waterways or drains, cover with absorbent material such as granulated clay or rags. Transfer to a container for disposal. Avoid ground contamination.
Persons entering the spill area should wear appropriate PPE such as respirators, safety shoes and clothing etc. Respirators should be type A suitable for vapors. Stop leak if at all possible and safe to do so. If a significant amount of material enters drains then advise emergency services.

SECTION 7; HANDLING AND STORAGE

Handling Information; Keep away from sources of high ambient temperature. Can be stored at freezing temperatures. Keep away from Children. When empty, wrap container in waste paper and dispose of in appropriate trash container. Observe all Label precautions. Do not weld near aerosol cans.
Storage information; Consult the technical data sheet for storage data.

SECTION 8; EXPOSURE CONTROLS AND PERSONAL PROTECTION

The following Australian Standards will provide “general” advice regarding safety clothing and equipment. Respiratory equipment AS/NZS1715; Protective Gloves AS2161; Industrial Clothing AS2919; Industrial Eye Protection AS 1336 and ASNZZS1337; occupational protective footwear AS/NZS2210.
Eye Protection; Wear appropriate safety glasses to reduce the potential for eye contact. Have eye washes available where eye contact can occur.
Skin Protection; Prevent contact by using appropriate gloves and protective clothing. Launder contaminated clothing and if necessary give commercial laundry a copy of this MSDS.
Ventilation; Local exhaust ventilation preferred. Provide ventilation to control contaminant level below airborne exposure limits. Best to us product in well ventilated area.

SECTION 9; PHYSICAL AND CHEMICAL PROPERTIES

Physical Description and Color
Clear, colorless vapor
Smell; Has a slightly sweet smell; irritating at high concentrations.
Boiling Point; BP of active ingredient is 87 degrees C at 100kPa
Freezing Point FP of active ingredient is -73 degrees C
Volatiles completely volatile
Vapor Pressure 80psig in mm of mercury at 44 degrees C. 551kPa at 44 degrees C
Vapor Density NA
Water Solubility; less than 1gm/liter at 25 degrees C
Odor Threshold not established
Evaporation rate not established
Coeff of oil/water
Distribution not established
Autoignition temp non flammable gas
pH not established

SECTION 10; STABILITY AND REACTIVITY

Stability; Stable
Incompatibility; Materials to avoid are strong oxidizers and temperatures above 130 degrees F or 54 degrees C.
Hazardous Decomposition; Carbon dioxide and Carbon Monoxide, hydrogen chloride gas, hydrofluoric acid fumes.
Hazardous Polymerization; will not occur.

SECTION 11; TOXICOLOGICAL INFORMATION

Local Effects

Target Organs; There is no data available indicating any particular target organs.
Skin; The LD50 for skin absorption in rabbits is 10,000mg/kg body weight.
Swallowed; The LD50 for for rats is 4920 mg/kg body weight.
Inhalation; The LC50 for rats is 12,500ppm for 4 hours. The active ingredient may have effects on the Central nervous System including memory loss. The product may have effect on liver and kidneys.

A risk assessment of trichloroethylene conducted under the Australian National Industrial Chemicals Notification and Assessment scheme concluded in 2000 that there was sufficient evidence from animal toxicity and limited epidemiological studies to classify trichloroethylene as a carcinogen, Category 2 (a substance to be regarded as if it is a carcinogen to people).

Birth Defects; not likely. Exposures which have no effect on the mother should have no effect On the fetus. No birth defects were noted in animal trials. Other effects on the fetus were only seen at doses so high that they would have had toxic effects on the mother.

Reproductive Effects; Animal data on Trichloroethylene do not suggest any reproductive hazard from exposure.

Mutagenicity; In vitro studies have proven negative. Animal mutagenicity studies were also predominantly negative. Studies conducted in March of 2000 were sufficient to recommend a hazardous substance classification of Mutagen-Category 3 (a substance of concern to humans but in respect of which available information does not satisfactorily demonstrate inheritable genetic damage). SWA class 3 Mutagen; ie possibly mutagenic to humans.

SECTION 12; ECOLOGICAL INFORMATION

Product is biodegradable and it will not accumulate in soil or water.

SECTION 13; DISPOSAL INFORMATION

Always check with local laws and regulations as these do vary from area to area. Always recycle if possible. Do not throw unused aerosol containers into the fire.

SECTION 14; TRANSPORT INFORMATION

Limited quantities regulations do apply. Container is 397Gms and the ADG 7 regulation specifies a limited quantity value of 5 liters.

ADG code 1710
Dangerous Goods Class 6.1
Packaging group 111

SECTION 15; REGULATORY INFORMATION

AICS; All significant ingredients in this product are compliant with NICNAS regulations and the trichloroethylene is mentioned in the SUSDP.

SECTION 16; OTHER INFORMATION

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Hot Foot® America L.P. from its suppliers, and because Hot Foot has no control over the conditions of handling and use, Hot Foot®

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