



SAFETY DATA SHEET

Stainless Steel Cleaner

SECTION 01: IDENTIFICATION

Product identifier STAINLESS STEEL CLEANER
Other means of identification 8040
Recommended use Stainless Steel Cleaner
Recommended restrictions Reserved for industrial and professional use.
Manufacturer
Company name Crown Chemical Products **Supplier's Name**
Address 6125 Netherhart Road, Mississauga, Ont. **Supplier's Address**
L5T 1G5
Emergency Tel: (905) 564-0904

SECTION 02: HAZARD(S) IDENTIFICATION

Hazard Classification	Flammable liquids	Category 4
	Specific Target Organ Toxicity — Single Exposure	Category 3
	Aspiration Hazard	Category 1
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2

Label elements



Signal Word Danger

Hazard Statement H227: Combustible Liquid
H336: May Cause Drowsiness Or Dizziness.
H304: May Be Fatal If Swallowed And Enters Airways.
H315: Causes Skin Irritation.
H319: Causes Serious Eye Irritation.

Precautionary Statement P264: Wash hands thoroughly after handling.
P262: Do not get in eyes, on skin, or on clothing.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P303+361+353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P310 Immediately call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.
P403+233: Store in a well ventilated place. Keep container tightly closed.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration %
Solvent Naphtha	64742-95-6	10-30
Tetrachloroethylene	127-18-4	5-10
Severely Hydrotreated Paraf- Finic Oil	64742-55-8	40-70



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SECTION 04: FIRST-AID MEASURES

Inhalation	Remove to fresh air. Get medical attention if symptoms occur.
Skin contact	Wash off immediately with plenty of soap and water. Wash clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Eye	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Most important symptoms/effects, acute and delayed	See Section 11 for more detailed information on health effects and symptoms.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
Unsuitable extinguishing media	High volume water jet
Specific hazards arising from the chemical	Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.
Special protective equipment and precautions for firefighters	Wear full protective equipment including a self-contained breathing apparatus.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not get in eyes, on skin or on clothing. DO NOT handle or store near an open flame, heat, or other sources of ignition. Protect material from direct sunlight.
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Conditions for safe storage Keep containers tightly closed in a dry, cool and well-ventilated place. Avoid extreme temperatures. Keep out of the reach of children.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits Overall Product: None established.

Ingredient: Tetrachloroethylene
Agency: OSHA Permissible Exposure Limit (PEL): 100 ppm (TWA), 200 ppm (ceiling), 300 ppm/5min/3-hour (max)
Agency: ACGIH Threshold Limit Value (TLV): 25 ppm (TWA), 100 ppm (STEL); listed as A3, animal carcinogen

Ingredient: Severely Hydrotreated Paraf- Finic Oil
Agency: ACGIH TLV, Limit Type: TWA (8H) 5 MG/M3 (OIL MIST); Limit Type: STEL 10 MG/M3 (OIL MIST).

Appropriate Engineering Controls Effective exhaust ventilation system.

Personal Protective Equipment Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Gloves Impervious gloves

Respiratory When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye Do not get in eyes. Wear eye protection if contact is likely.

Clothing Chemical resistant apron if contact is likely.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Odour Aromatic odour

Physical State Liquid

Color Water Clear

Odour Threshold No data available.

pH No data available.

Freezing Point (°C) No data available.

Initial Boiling Point (°C) >100



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Flashpoint (°C) No data available.

Evaporation Rate No data available.

Flammability No data available.

Lower Explosive Limit No data available.

Upper Explosive Limit No data available.

Lower Flammability Limit No data available.

Upper Flammability Limit No data available.

Vapour Pressure (mm) No data available.

Vapour Density (Air = 1) No data available.

Relative Density <1

Solubility Insoluble

Partition coefficient (n-octanol/water) No data available.

SECTION 10: STABILITY AND REACTIVITY

Auto Ignition Temp. (°C) No data available.

Decomposition Temperature No data available.

Viscosity No data available.

Reactivity This material is considered to be non reactive under normal use conditions.

Chemical Stability Stable under normal conditions.

Possibility of hazardous reactions Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid Open flames, high temperature, sparks & other sources of ignition.

Incompatible Materials Incompatible to strong oxidizing materials.

Hazardous Decomposition Products Hydrogen chloride, phogene and other toxic substances.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Skin Contact Eye Contact Ingestion
 Skin Absorption Inhalation



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Toxicological Information

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

EYES: Causes irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.

SKIN: Brief contact may cause mild irritation. Prolonged contact may cause more severe irritation with pain, and local redness.

INHALATION: High vapor concentrations (attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects.

INGESTION: Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death.

Chronic Exposure : Health injuries are not known or expected under normal use.

Numerical Measures of Toxicity

Aacute toxicity estimates (ATE) : no data available.

Toxicity Respiratory or skin sensitization : no data available

Carcinogenicity : no data available

Reproductive effects : no data available

Germ cell mutagenicity : no data available

Teratogenicity : no data available

Numerical Measures Of Toxicity

Hazardous Ingredients	LD ₅₀ /LC ₅₀ Specify Species and Route
Solvent Naphtha	LD50 Oral - Rat:8400 mg/kg
Tetrachloroethylene	Oral rat LD50: 2629 mg/kg Inhalation rat LC50: 4100 ppm/6H
Severely Hydrotreated Paraf- Finic Oil	LD50 Inhalation - Rat >5 mg/L - 4H LD50 Oral - Rat >5000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.



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Mobility in soil No data available

Other adverse effects No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods In accordance with municipal, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

UN number Not regulated under TDG.

TDG Classification N/AP

Packing group N/AP

Special Shipping Instructions None.

SECTION 15: REGULATORY INFORMATION

Regulatory Information This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

SECTION 16: OTHER INFORMATION

N/AP = Not Applicable

N/AV = Not Available

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

GHS: Globally Harmonized System

HPR : Hazardous Products Regulations

IARC: International Agency for Research on Cancer

NIOSH: The National Institute for Occupational Safety and Health

NTP : National Toxicology Program

OSHA : United States Department of Labor - Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TWA: Time-Weighted-Average

Prepared By: Crown Chemical Products Inc.

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