



Clear the best

SEMCO CHEMICAL PRODUCTS

Material Safety Data Sheet

Revised Date: 15-04-2016

Section -1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Identification of the substance

Product Name : **Printon**
Products Type : **Liquid.**
Product Description : **Print Spot Remover.**

Use of the substance

Uses : **Print spot remover.**
Supplier Name Address : **Semco Chemical Product**
126, Mukto Bangla Shopping Complex (6th floor), Dhaka-1216.
E-mail : info@semcogroupbd.com
Web : www.semcogroupbd.com
Emergency Phone No. : +8802-9024269, 8034915, +8801917710275

Section-2 : Hazards Identification

Emergency Overview

Flammable. Harmful by inhalation.

Hazard symbol or symbols :



Irritant

Potential Health Effects

Eye: May result in corneal injury. Vapors may cause eye irritation. Contact produces irritation, tearing, and burning pain.

Skin: Causes skin irritation. Harmful if absorbed through the skin. Not expected to cause an allergic skin reaction.

Ingestion: Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause liver and kidney damage. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May be harmful if swallowed.

Inhalation:

Causes respiratory tract irritation. May cause liver and kidney damage. Inhalation overexposure may lead to central nervous system depression, producing effects such as dizziness, headache, confusion, in coordination, nausea, weakness, and loss of consciousness. Extreme exposures may cause other CNS effects including death.

Chronic: Prolonged or repeated skin contact may cause defatting and dermatitis. Prolonged exposure may cause non-specific nervous system effects. Animal studies indicate that the product may affect the liver and kidneys.

This product is not hazardous and irritant according the EC regulation.

Section-3: information on Ingredients

Product/ingredient	Identifiers/ CAS No.
Cyclohexanone	108-94-1

Section-4 : First Aid Measure

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Cyclohexanol in urine can be useful in diagnosis.

Section-5 : Fire Fighting Measure**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.

Extinguishing Media:

Water may be ineffective. For large fires, use water spray, fog or alcohol-resistant foam. Do NOT use straight streams of water. For small fires, use carbon dioxide, dry chemical, dry sand, or alcohol-resistant foam.

Section- 6 : Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Provide ventilation. Use only non-sparking tools and equipment.

Section-7 : Handling & Storage

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Keep away from heat, sparks and flame. Avoid breathing vapor or mist.

Storage :

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

Section-8 : Exposure control & personal Protection

Engineering Controls:

Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure. **Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Ventilation : Local Exhaust & mechanical

Other portative equipment : Approved working clothes.

Section-9 : Physical and chemical Properties:

Physical Appearance	:	Colourless Liquid
Solubility	:	Partially soluble in water
pH at 27 ⁰ C	:	5.6
Volatile Matter Content at 105 ⁰ C	:	99.45%
Density	:	0.924 gm/cc
Boiling Point	:	155 deg C @ 760 mmHg (311.00_F)
Freezing/Melting Point	:	-47 deg C (-52.60_F)
Reference	:	BCSIR, Dhaka.

Section-10: Stability & Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Ignition sources, excess heat, confined spaces.

Incompatibilities with Other Materials Strong oxidizing agents, strong acids, amines, nitric acid, alkalies. Hazardous Decomposition Products Carbon monoxide, carbon dioxide. Hazardous Polymerization will not occur.

Section-11 : Toxicological Information

RTECS#:

CAS# 108-94-1: GW1050000

LD50/LC50:

RTECS: CAS# 108-94-1: Draize test, rabbit, eye: 20 mg

Severe; Draize test, rabbit, eye: 250 ug/24H Severe;

Inhalation, mouse: LC50 = 2375 mg/m³; Inhalation, rat: LC50 =

8000 ppm/4H; Inhalation, rat: LC50 = 19000 mg/m³; Oral,

mouse: LD50 = 1400 mg/kg; Oral, rat: LD50 = 1620 uL/kg; Oral,

rat: LD50 = 1800 mg/kg; Skin, rabbit: LD50 = 1 mL/kg;.

Carcinogenicity: Cyclohexanone - ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans IARC: Group 3 (not classifiable)

Other: See actual entry in RTECS for complete information.

Section-12 : Ecological Information

Ecotoxicity :

Fish: Rainbow trout: LC50 = 90.0 mg/L; 96 Hr.; 320.0 mg/L
CaCO3Fish: Rainbow trout: LC50 = 44.0 mg/L; 96 Hr.; 20.0 mg/L
CaCO3Fish: Fathead Minnow: LC50 = 527.0 mg/L; 96 Hr.;
Flow-through, 24-26 degrees C,pH7.5Water flea Daphnia: EC50 =
820.0 mg/L; 48 Hr.; UnspecifiedAlgae: EC50 = 20.0 mg/L; 96 Hr.;
UnspecifiedBacteria: Phytobacterium phosphoreum: EC50 = 18.7
mg/L; 5 minutes; Microtox Test

Section 13 : Disposal Consideration

Waste disposal method: General Procedure
In Accordance with local authority regulations,
Take to apical waste incineration plant.

Section 14: Transport Information

International regulation

Hazard Class : 3
UN Number : 1915
Packing Group : III

IMO

Shipping Name: CYCLOHEXANONE
Hazard Class : 3.3
UN Number : 1915
Packing Group : III

RID/ADR

Shipping Name : CYCLOHEXANONE
Hazard Class : 3
UN Number : 1915
Packing Group: III
USA RQ: CAS# 108-94-1: 5000 lb final RQ; 2270 kg final RQ

Section 15: Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols : XN

Risk Phrases : R 10 Flammable.

R 20 Harmful by inhalation.

Safety Phrases: S 25 Avoid contact with eyes.

WGK (Water Danger/Protection)

CAS# 108-94-1: 1

Canada

CAS# 108-94-1 is listed on Canada's DSL List

US Federal

TSCA

CAS# 108-94-1 is listed on the TSCA Inventory.

Section 16 : Other Information

These information's are based on our present state of knowledge. It is intended to describe the product from the point of view of safety requirements and is not intended to guarantee any particular properties.

Md. Salauddin Khan, Chemist (Operation)
SEMCO CHEMICAL PRODUCTS.