SAFETY DATA SHEET
PROTTON® SP 100

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name **PROTTON® SP 100**

Product number 00100

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Metal Mold Release Agent.

1.3. Details of the supplier of the safety data sheet

Supplier **FLOW CHEM LABORATORY**
A-94 Jai Vihar Najafgarh New Delhi 110043
INDIA
CONTACT **:** **+91-8512066618**

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Health hazards Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304

Environmental hazards Not Classified

2.2. Label elements

Hazard statements

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizzine

Precautionary statements	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well-ventilated place. Keep cool.
Contains	EMULSION OF LUBRICATING CHEMICALS.
Supplementary precautionary statements	Ground and bond container and receiving equipment.Use explosion-proof electrical equipment. Use non-sparking tools. Take action to prevent static discharges. Wash contaminated skin thoroughly after handling.Use only outdoors or in a well-ventilated area. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. Specific treatment (see medical advice on this label).Do NOT induce vomiting. If skin irritation occurs: Get medical advice/ attention. P364 Take off contaminated clothing and wash it before reuse. In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/ container in accordance with national regulations

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SECTION 3: Composition/information on ingredients

3.1. Mixtures

EMULSION OF LUBRICATING CHEMICALS.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Avoid contact with skin and eyes. Do not breathe vapour. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
Ingestion	DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing.

4.2. Most important symptoms and effects, both acute and delayed

General information the severity of the symptoms described will vary dependent on the concentration and the length of exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Foam. Dry chemicals. Carbon dioxide (CO2).

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions warn everybody of potential hazards and evacuate if necessary. Avoid contact with skin and eyes. Eliminate all sources of ignition. Do not breathe vapour/spray. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions Avoid or minimize the creation of any environmental contamination. Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Avoid contact with skin and eyes. Keep container tightly closed. Earth container and transfer equipment to eliminate sparks from static electricity. Keep away from heat, sparks and open flame. Use non sparking hand tools and explosion-proof electric equipment. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Contaminated clothing and shoes must be discarded. Use suitable respiratory protection if ventilation is inadequate.

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Store away from incompatible materials Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Ingredient comments No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. Keep container tightly closed.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard.

Hand protection To protect hands from chemicals, gloves should comply with European Standard EN374. Wear protective gloves made of the following material: Rubber or plastic. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The selected gloves should have a breakthrough time of at least 8 hours.

Other skin and body protection Wear chemical protective suit.

Hygiene measures Provide eyewash station and safety shower. Keep away from food, drink and animal feeding stuffs. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving workplace.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Color	Clear liquid.
Odor	Mild intrinsic
pH	pH (concentrated solution): 7-9 @ 25 ºC
Initial boiling point and range	101°C
Flash point	>100°C
Relative density	0.97-0.99 @ 30 °C
Solubility(ies)	Dispersible at any proportion.

.9.2. Other information

Other information	not available.

SECTION 10: Stability and reactivity

10.1. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.

10.2. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.
	Avoid heat, flames

SECTION 11: Toxicological information

Information on toxicological effects

Inhalation	Vapour may affect central nervous system. Symptoms following overexposure may include the following: Headache. Nausea, vomiting. Intoxication. May cause discomfort. Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression. Arrhythmia (deviation from normal heart beat). In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

Ingestion	Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract. Central nervous system depression.
Skin contact	Irritating to skin. Prolonged or repeated exposure may cause severe irritation. Wear appropriate clothing to prevent skin contamination.
Eye contact	Irritating to eyes.
Acute and chronic health hazards	Possible risk of impaired fertility. May cause cancer.
Route of exposure	Inhalation Skin and/or eye contact

SECTION 12: Ecological information

Eco toxicity Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability Biodegradability 30%

12.3. Primary degradation

According to the requirements of the EU Mandatory Standard for Detergents 82/242 (nonionic surfactants) and 82/243 (anionic surfactants) the surfactants and the other ingredients contained in the products are biodegradable to at least 90% on average.

12.4. Mobility in soil

Mobility Do not discharge into drains or watercourses or onto the ground.

12.5. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information when handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers must not be punctured or incinerated because of the risk of an explosion.

Waste class

08 04 99

General

No information required.

SECTION 14: Transport information

Not hazardous.

SECTION 15: Regulatory information

15.1. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

PROTTON® SP 100 is NPEO and AEPO free product.is is completely formaldehyde free and also biocide and fungicide free product.it is **GOTS** Approved product.