SAFETY DATA SHEET

TP-100 **UNICARE (CHEMICALS) LTD**

1 Identification

GHS Product Identifier
TP-100

Other means of identification
POWDER DETERGENT

Recommended use of the chemical and restriction on use
Professional use.

Supplier's details
Unicare (Chemicals) Ltd
P.O.Box 54088,
Aradippou Industrial Area, Cyprus.
Tel. +357-24531766, Fax. +357-24532111
email: team@unicaregroup.com

Emergency phone number
1401

2 Hazard(s) identification

Classification of the substance or mixture
Corrosive to metals: Category 1
Skin irritation : Category 1
Eye irritation : Category 1
STOT-Single Exposure: Category 3

GHS label elements

Danger

May be corrosive to metals
Causes severe skin burns and eye damage
Causes serious eye damage
May cause respiratory irritation
If medical advice is needed,have product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep only in original container
Do not breathe dust/fume/gas/mist/vapours/spray.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Immediately call a POISON CENTER or doctor/physician.
Call a POISON CENTER or doctor/physician if you feel unwell.
Specific treatment (see instructions on this label).
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Store locked up.
Store in corrosive resistant/or in a container with a resistant inner liner.
Dispose of contents/container to according to local/national/international regulations.

3. Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Sodium carbonate	497-19-8		20 - 30	Eye irritation, Category 2
Sodium gluconate	527-07-1		<1	
Sodium tripolyphosphate	7758-29-4		10 - 15	Skin Corrosion/irritation, Category 2,STOT-SE Category 3
Sodium silicate	6834-92-0		50 - 60	Skin Corrosion/irritation, Category 1B, Corrosive to Metals Category 1
Fluorescent brightener260	16090-02-1		5-10	
MARLIPAL 31-985	68439-54-3		<1	

4. First-aid measures

Description of necessary first-aid measures
After inhalation: fresh air.
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.
After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

Most important symptoms/effects, acute and delayed
irritant effects
Indication of immediate medical attention and special treatment needed, if necessary
No additional information available.

5 Fire-fighting measures

Suitable extinguishing media
Use appropriate media for surrounding fire (chemical foam, dry chemical, or carbon dioxide).
Specific hazards arising from the chemical
No additional information available.
Special protective actions for fire-fighters
Firefighting instructions :Exercise caution when fighting any chemical fire.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Flush with water to remove any residue.
Environmental precautions
Prevent entry into sewers, basements or confined areas; dike if needed
Methods and materials for containment and cleaning up

Avoid producing air-born dust. Sweep or vacuum material into a sealed, labeled, chemically impervious container. Wash down area with excess of water

7 Handling and storage

Precautions for safe handling

Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

Conditions for safe storage, including any incompatibilities

Keep in tightly closed containers. Store in a cool, dry, ventilated area away from heat, moisture and incompatibles

8 Exposure controls/personal protection

Control parameters

No data available.

Appropriate engineering controls

Ensure adequate ventilation

Individual protection measures

Respiratory protection: Respiratory protection must be used if air contamination exceeds acceptable level.

Hand protection: Use protective gloves. Chemical resistant gloves required for prolonged or repeated contact.

Eye / face protection: Use safety goggles or face shield in case of splash risk.

Skin/Body protection: Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene / Environmental: Specific hygiene measures Wash hands after contact.

9 Physical and chemical properties

Physical and chemical properties

Appearance: Pale yellow powder

Physical State: powder

Odor: No data available.

Odor Threshold: No data available.

pH: 12.5 - 13

Melting/Freezing Point: Data not available

Initial Boiling Point /Range: Data not available

Flash Point: Data not available

Evaporation Rate: Data not available

Flammability: Data not available

Vapor Pressure: Data not available

Vapor Density: Data not available

Relative density: No data available.

Solubility(ies)

Solubility in water: No data available.

Soluble Solubility (other): No data available.

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

Auto-ignition temperature: Data not available

Decomposition temperature: No data available.

Viscosity: No data available.

Specific gravity(at 25˚C): 1.1- 1.3

10 Stability and reactivity

Reactivity
Data not available.
Chemical stability
Stable under normal conditions.
Possibility of hazardous reactions
Data not available.
Conditions to avoid
Data not available.
Incompatible materials
Data not available.
Hazardous decomposition products
Data not available.

11 Toxicological information

Toxicological (health) effects
Toxicological information of the mixture: N.A.
Toxicological information of the main substances found in the mixture:

Sodium carbonate: CAS-497-19-8
Acute oral toxicity:
LD50 Rat: 2.800 mg/kg
LDLO human: 714 mg/kg
Symptoms: Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

Acute inhalation toxicity:
Symptoms: Possible damages:, mucosal irritations

Acute dermal toxicity: LD50 Rabbit: > 2.000 mg/kg US-EPA

Skin irritation Rabbit Result: No skin irritation OECD Test Guideline 404
Eye irritation Rabbit Result: Eye irritation US-EPA Causes serious eye irritation.
Sensitisation: This information is not available. Germ cell mutagenicity
Genotoxicity in vitro Ames test Escherichia coli Result: negative
Carcinogenicity : This information is not available.
Reproductive toxicity : This information is not available.
Teratogenicity : This information is not available.
Specific target organ toxicity - single exposure : This information is not available.
Specific target organ toxicity - repeated exposure : This information is not available.
Aspiration hazard: This information is not available.

sodium tripolyphosphate: CAS-7758-29-4
Acute Toxicity
LD50 Oral: LD50 = 3120 mg/kg (Rat)
LD50 Dermal: LD50 > 7940 mg/kg (Rabbit)
LC50 Inhalation: Not listed

Toxicologically Synergistic Products : No information available

sodium silicate: CAS-6834-92-0

Acute Toxicity
LD50 Oral:1280 mg/kg (rat)
LC50 Dermal :Not Available
LD50 Inhalation: Not Available

Chronic Toxicity – Carcinogenicity
IARC Sodium Metasilicate Not listed as carcinogenic (IARC and ACGIH).

Skin Corrosion/Irritation: May cause redness, blistering and severe burns.
Ingestion: Corrosive product. Will cause diarrhea, abdominal cramps, mouth and tongue pain, sore throat, nausea, stomach ache. May lead to death if ingested.
Inhalation: May irritate nose, throat, and lungs and may cause respiratory tract irritation.
Serious Eye Damage/Irritation: Causes redness, pain, tissue burns and impaired vision.
Respiratory or Skin Sensitization: No sensitizing effects known.
Germ Cell Mutagenicity : Not Available
Reproductive Toxicity : Not Available
STOT-Single Exposure: May irritate nose, throat, and lungs and may cause respiratory tract irritation.
STOT-Repeated Exposure: Not Available
Aspiration Hazard: May cause pulmonary edema.
Synergistic Materials: Not Available

Information on the likely routes of exposure
No other relevant information available

Symptoms related to the physical, chemical and toxicological characteristics
No other relevant information available.

Delayed and immediate effects and also chronic effects from short and long term exposure
No other relevant information available.

Numerical measures of toxicity (such as acute toxicity estimates)
No other relevant information available.

Interactive effects
No other relevant information available.

Where specific chemical data are not available
No other relevant information available.

Mixtures
No other relevant information available.

Mixture versus ingredient information
No other relevant information available

Other information
No other relevant information available

12 Ecological information

Toxicity
Sodium carbonate: CAS-497-19-8
Toxicity to fish:
static test LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l; 96 h (ECHA)

Toxicity to daphnia and other aquatic invertebrates semi-static test EC50 Ceriodaphnia dubia (water flea): 220 - 227 mg/l;48 h US-EPA

sodium tripolyphosphate: CAS-7758-29-4
Freshwater Algae:Not listed
Freshwater Fish: LC50: = 1650 mg/L, 48h (Leuciscus idus)
Microtox:Not listed
Water Flea: Not listed

sodium silicate: CAS-6834-92-0
Toxicity to Algae: Not Available
Toxicity to Fish: Not Available

Toxicity to Daphnia and Other Aquatic Invertebrates : Not Available

Persistence and degradability

No other relevant information available

Bioaccumulative potential

No other relevant information available

Mobility in soil

No other relevant information available

Other adverse effects

None

13 Disposal considerations

Disposal methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.

14 Transport information

UN Number

DOT, ADR, ADN, IMDG, IATA : Not Regulated

UN Proper Shipping Name

DOT, ADR, ADN, IMDG, IATA : Not Regulated

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA : Not Regulated

Packing group, if applicable

DOT, ADR, ADN, IMDG, IATA : Not Regulated

Environmental hazards

Marine pollutant : no

Special precautions for user

DOT, ADR, ADN, IMDG, IATA : Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

Not established.

16 Other information

Other information

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent