

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

1.1. Product identifier

Trade name or designation of the mixture LPS® Precision Clean (Ready-to-use)

Registration number -

Synonyms None.

Part Number M27800, M02728

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

Identified uses An industrial cleaner designed to remove grime, oils and light grease from metal, concrete and other durable surfaces.

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier Name ITW Spraytec Nordic

Address Priorsvej 36

City 8600 Silkeborg

Country Denmark

Tel: +45 8682 6444

In Case of Emergency +001 703-527-3887

Manufacturer

Company name ITW Pro Brands

Address 4647 Hugh Howell Rd., Tucker, GA 30084 (U.S.A.)

Website <http://www.itwprobrands.com>

E-mail lpssds@itwprobrands.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

| | | |
|-----------------------------------|------------|---------------------------------------|
| Skin corrosion/irritation | Category 2 | H315 - Causes skin irritation. |
| Serious eye damage/eye irritation | Category 2 | H319 - Causes serious eye irritation. |

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: disodium metasilicate

Hazard pictograms



Signal word Warning

Hazard statements

| | |
|------|--------------------------------|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |

Precautionary statements

Prevention

| | |
|------|--------------------------------------|
| P264 | Wash thoroughly after handling. |
| P280 | Wear eye protection/face protection. |
| P280 | Wear protective gloves. |

Response

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| P302 + P352 | IF ON SKIN: Wash with plenty of water. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |

Storage Not available.

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|---------------------------------------|--|
| Disposal | Not available. |
| Supplemental label information | None. |
| 2.3. Other hazards | This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. This product contains components considered to have endocrine disrupting properties affecting human health, according to REACH Article 57(f), Regulation (EU) 2018/605 or Regulation (EU) 2017/2100. |

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|-------|------------------------|------------------------|--------------|-------|
| disodium metasilicate | 1 - 3 | 6834-92-0 229-912-9 | - | 014-010-00-8 | |
| Classification: Skin Corr. 1B;H314, STOT SE 3;H335 | | | | | |

Other components below reportable levels 98.87

List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. #: This substance has been assigned Union workplace exposure limit(s).

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye contact Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

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

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Firefighters should wear full protective clothing including self contained breathing apparatus.

Special fire fighting procedures Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

For emergency responders Keep unnecessary personnel away. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.

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| 6.2. Environmental precautions | Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. |
| 6.3. Methods and material for containment and cleaning up | <p>This product is miscible in water.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use.</p> |
| 6.4. Reference to other sections | For personal protection, see section 8 of the SDS. For waste disposal, see section 13. |

SECTION 7: Handling and storage

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|--|--|
| 7.1. Precautions for safe handling | Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. |
| 7.2. Conditions for safe storage, including any incompatibilities | Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). |
| 7.3. Specific end use(s) | Not available. |

SECTION 8: Exposure controls/personal protection

| | |
|--|--|
| 8.1. Control parameters | |
| Occupational exposure limits | No exposure limits noted for ingredient(s). |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Recommended monitoring procedures | Follow standard monitoring procedures. |
| Derived no effect levels (DNELs) | Not available. |
| Predicted no effect concentrations (PNECs) | Not available. |
| 8.2. Exposure controls | |
| Appropriate engineering controls | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower. |
| Individual protection measures, such as personal protective equipment | |
| General information | Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. |
| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Skin protection | |
| - Hand protection | Wear appropriate chemical resistant gloves. |
| - Other | Wear suitable protective clothing. |
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment. |
| Thermal hazards | None known. Wear appropriate thermal protective clothing, when necessary. |
| Hygiene measures | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |
| Environmental exposure controls | Environmental manager must be informed of all major releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------------------|----------------|
| Physical state | Liquid. |
| Form | Liquid. |
| Colour | Clear Blue |
| Odour | Mild. Citrus. |
| Melting point/freezing point | Not available. |

Boiling point or initial boiling point and boiling range 93,33 °C (200 °F)

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) 1,1 % estimated

Explosive limit – upper (%) 14 % estimated

Flash point > 93,3 °C (> 200,0 °F)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

pH 12,7

Solubility(ies)

Solubility (water) 100 %

Partition coefficient (n-octanol/water) Not available.

Vapour pressure 17,5 mm Hg @ 20°C est.

Vapour density > 1

Relative density Not available.

Particle characteristics Not available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes No relevant additional information available.

9.2.2. Other safety characteristics

Density 1,02 g/cm³

Evaporation rate 1 BuAc

Explosive properties Not explosive.

Oxidising properties Not oxidising.

Percent volatile 96 %

Specific gravity 1,01

Viscosity Low viscosity comparable to water (water = 1 cST. @ 20°C)

VOC 0,38 % per State and Federal Consumer Product Regulations

SECTION 10: Stability and reactivity

10.1. Reactivity Reacts violently with strong acids. This product may react with oxidizing agents.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous reactions Reacts violently with strong acids. This product may react with oxidizing agents.

10.4. Conditions to avoid Do not mix with other chemicals. Contact with incompatible materials.

10.5. Incompatible materials Acids. Strong oxidising agents. Oxidizing agents.

10.6. Hazardous decomposition products Carbon oxides. Nitrogen oxides (NO_x).

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

Ingestion May cause discomfort if swallowed. Expected to be a low ingestion hazard.

Symptoms Causes eye irritation. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Exposure may cause temporary irritation, redness, or discomfort.

11.1. Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

| Product | Species | Test Results |
|-------------------------------------|---------|--------------|
| LPS® Precision Clean (Ready-to-use) | | |
| Acute | | |
| Inhalation | | |
| Vapour | | |
| ATEmix | | 180 mg/l |
| Oral | | |
| ATEmix | | 44000 mg/kg |

| Components | Species | Test Results |
|---------------------------------------|---------|------------------------|
| disodium metasilicate (CAS 6834-92-0) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rat | > 5000 mg/kg, 24 Hours |

| | |
|--|--|
| Skin corrosion/irritation | Causes skin irritation. |
| Serious eye damage/eye irritation | Causes serious eye irritation. |
| Respiratory sensitisation | Not a respiratory sensitiser. Not a respiratory sensitiser. |
| Skin sensitisation | This product is not expected to cause skin sensitisation. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |
| Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended) | Not listed. |

| | |
|---|--|
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | Not available. |
| Mixture versus substance information | No information available. |

11.2. Information on other hazards

| | |
|--|--|
| Endocrine disrupting properties | This product contains components considered to have endocrine disrupting properties affecting human health, according to REACH Article 57(f), Regulation (EU) 2018/605 or Regulation (EU) 2017/2100. |
| Other information | Not available. |

SECTION 12: Ecological information

| | |
|--|---|
| 12.1. Toxicity | Based on available data, the classification criteria are not met for hazardous to the aquatic environment. The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| 12.2. Persistence and degradability | Expected to biodegrade. |
| 12.3. Bioaccumulative potential | No data available. |
| Partition coefficient n-octanol/water (log Kow) | Not available. |
| Bioconcentration factor (BCF) | Not available. |
| 12.4. Mobility in soil | This product is completely water soluble and will disperse in soil. |
| 12.5. Results of PBT and vPvB assessment | This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. |
| 12.6. Endocrine disrupting properties | Not available. |
| 12.7. Other adverse effects | None known. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-----------------------|--|
| Residual waste | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
|-----------------------|--|

| | |
|-------------------------------------|--|
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. |
| EU waste code | The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Disposal methods/information | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. |
| Special precautions | Dispose in accordance with all applicable regulations. |

SECTION 14: Transport information

ADR

| | |
|---|----------------|
| 14.1. UN number | Not available. |
| 14.2. UN proper shipping name | Not available. |
| 14.3. Transport hazard class(es) | |
| Class | Not available. |
| Subsidiary risk | - |
| Hazard No. (ADR) | Not available. |
| Tunnel restriction code | Not available. |
| 14.4. Packing group | Not available. |
| 14.5. Environmental hazards | No. |
| 14.6. Special precautions for user | Not available. |

RID

| | |
|---|----------------|
| 14.1. UN number | Not available. |
| 14.2. UN proper shipping name | Not available. |
| 14.3. Transport hazard class(es) | |
| Class | Not available. |
| Subsidiary risk | - |
| 14.4. Packing group | Not available. |
| 14.5. Environmental hazards | No. |
| 14.6. Special precautions for user | Not available. |

ADN

| | |
|---|----------------|
| 14.1. UN number | Not available. |
| 14.2. UN proper shipping name | Not available. |
| 14.3. Transport hazard class(es) | |
| Class | Not available. |
| Subsidiary risk | - |
| 14.4. Packing group | Not available. |
| 14.5. Environmental hazards | No. |
| 14.6. Special precautions for user | Not available. |

IATA

| | |
|---|----------------|
| 14.1. UN number | Not available. |
| 14.2. UN proper shipping name | Not available. |
| 14.3. Transport hazard class(es) | |
| Class | Not available. |
| Subsidiary risk | - |
| 14.4. Packing group | Not available. |
| 14.5. Environmental hazards | No. |
| 14.6. Special precautions for user | Not available. |

IMDG

| | |
|---|----------------|
| 14.1. UN number | Not available. |
| 14.2. UN proper shipping name | Not available. |
| 14.3. Transport hazard class(es) | |
| Class | Not available. |
| Subsidiary risk | - |
| 14.4. Packing group | Not available. |
| 14.5. Environmental hazards | |
| Marine pollutant | No. |
| EmS | Not available. |

14.6. Special precautions for user Not available.

14.7. Maritime transport in bulk according to IMO instruments Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended
Not listed.

EU Regulation 648/2004, Annex VII, Content Labeling for Detergents
Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended
Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended
Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended
Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended
Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.
Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended
Not listed.

Other regulations

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. The product is classified and labelled in accordance with EC directives or respective national laws. The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).
CAS: Chemical Abstract Service.
CEN: European Committee for Standardization.
IATA: International Air Transport Association.
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
IMDG: International Maritime Dangerous Goods.
MAC: Maximum Allowed Concentration.
MARPOL: International Convention for the Prevention of Pollution from Ships.
PBT: Persistent, bioaccumulative and toxic.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit.
TLV: Threshold Limit Value.
TWA: Time Weighted Average.
VLE: Exposure Limit Value.
VME: Exposure Average Value.
vPvB: Very persistent and very bioaccumulative.

Not available.

References

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.

Training information

Follow training instructions when handling this material.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.