SAFETY DATA SHEET
Klozur® SP

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Chemical name
Disodium peroxodisulfate

Product Name
Klozur® SP

Synonyms
Sodium Peroxydisulfate; Disodium Peroxydisulfate; Peroxydisulfuric acid, disodium salt; Peroxydisulfuric acid, sodium salt

CAS-No
7775-27-1

EC-No
231-892-1

REACH registration number
01-2119495975-15-0001

Pure substance/mixture
Substance

Formula
Na2O8S2

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

Recommended Use: Polymerization initiator Etchant and cleaner for printed circuit boards Hair bleaching formulations Secondary oil recovery Oxidizing agent for a variety of organic reactions.

Restrictions on Use
No uses to be advised against were identified

1.3. Details of the supplier of the safety data sheet

Supplier
PeroxyChem LLC
Only Representative: PeroxyChem Spain s.l.u.
C/ Afueras s/n 50784 La Zaida (Zaragoza) Spain
Tel: +34 976 179600

Manufacturer
PeroxyChem LLC
2005 Market Street
Suite 3200
Philadelphia, PA 19103
Phone: +1 267/ 422-2400 (General Information)
E-Mail: sdsinfo@peroxychem.com

E-mail address
sdsinfo-emea@peroxychem.com

1.4. Emergency telephone numbers
For leak, fire, spill or accident emergencies, call:
+1 703-527-3887 (CHEMTREC)
+1 303/ 389-1409 (Medical - U.S. - Call Collect)
2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>H*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td></td>
<td>H302</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
<td>H315</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
<td>H319</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>Category 1</td>
<td>H334</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
<td>H317</td>
</tr>
<tr>
<td>Specific target organ systemic toxicity (single exposure)</td>
<td>Category 3; H335</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Solids</td>
<td>Category 3</td>
<td>H272</td>
</tr>
</tbody>
</table>

For the full text of the H- and EUH- phrases mentioned in this Section, see Section 16.

2.2. Label Elements

Signal word: DANGER

Hazard Statements

- H272 - May intensify fire; oxidizer
- H302 - Harmful if swallowed
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H317 - May cause an allergic skin reaction
- H335 - May cause respiratory irritation
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements

Wear protective gloves/ eye protection/ face protection
Keep/Store away from clothing/ combustible materials
Store locked up
IF ON SKIN: Wash with plenty of soap and water
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell

Precautionary statements

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P220 - Keep/Store away from clothing/ combustible materials
P405 - Store locked up

Precautionary statements

water

2.3. OTHER INFORMATION

General Hazards
Risk of decomposition by heat or by contact with incompatible materials
3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Disodium peroxodisulfate

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>EC-No</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium sulfate</td>
<td>231-820-9</td>
<td>7757-82-6</td>
<td>&lt; 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For the full text of the H- and EUH- phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

4.1. Description of first-aid measures

**General Advice**
Remove from exposure, lie down. Show this material safety data sheet to the doctor in attendance.

**Skin Contact**
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

**Eye Contact**
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids intermittently. Consult a physician. In case of contact, immediately flush eyes with plenty of water. If symptoms persist, call a physician.

**Inhalation**
Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

**Ingestion**
Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth. Drink 1 or 2 glasses of water.

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

Itching; Redness; Coughing and/or wheezing

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

**Suitable Extinguishing Media**
Water. Cool containers with flooding quantities of water until well after fire is out.

**Extinguishing media which shall not be used for safety reasons**
Do NOT use water jet.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
In case of fire, formation of sulphur oxides, nitrogen oxides, toxic pyrolysis products.
5.3. Advice for firefighters

Special protective equipment for fire-fighters
As in any fire, wear self-contained breathing apparatus and full protective gear.

OTHER INFORMATION
The product is not combustible. Contact with combustible materials may intensify fires. Adjust fire fighting measures to surrounding fire, if possible. Cool endangered containers with water spray and move out of danger area. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Keep off any unprotected persons. Avoid contact with the skin and the eyes. Avoid breathing dust. Wear personal protective equipment.

6.2. Environmental Precautions
Knock down dust with water spray. Avoid penetration into waterways, sewers, soil or groundwater. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up
Vacuum, shovel or pump waste into a drum and label contents for disposal. Avoid dust formation. Store in closed container. Clean up spill area and treat as special waste Dispose of waste as indicated in Section 13

Never add other substances or combustible waste to product residues.

6.4. Reference to other sections.
Dispose of waste as indicated in Section 13

7. HANDLING AND STORAGE

7.1. Precautions for Safe Handling
Wear personal protective equipment. Avoid breathing dust. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use.

Additional information
Use clean plastic or stainless steel scoops only

7.2. Conditions for safe storage, including any incompatibilities
Storage
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Do not store near combustible materials. Avoid contamination of opened product. Keep away from food, drink and animal feedingstuffs. Avoid formation and deposition of dust.

Materials to avoid
Bases, Halides, Oxidizing agents, Strong reducing agents, Combustible materials.

7.3. Specific end uses
Refer to Section 1 and the Annex.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1. Control parameters

Exposure Limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>European Union</th>
<th>The United Kingdom</th>
<th>Ireland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Persulfate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7775-27-1</td>
<td></td>
<td>TWA 0.1 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL 0.3 mg/m³</td>
<td>Sensitizer</td>
</tr>
<tr>
<td>Chemical name</td>
<td>France</td>
<td>Spain</td>
<td>Portugal</td>
</tr>
<tr>
<td>Sodium Persulfate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7775-27-1</td>
<td></td>
<td>TWA 0.1 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Chemical name</td>
<td>Denmark</td>
<td>Finland</td>
<td>Norway</td>
</tr>
<tr>
<td>Sodium Persulfate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7775-27-1</td>
<td></td>
<td>TWA 2 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Chemical name</td>
<td>Latvia</td>
<td>Lithuania</td>
<td>Czech Republic</td>
</tr>
<tr>
<td>Sodium sulfate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7757-82-6</td>
<td>TWA 10 mg/m³</td>
<td>TWA 10 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Chemical name</td>
<td>Romania</td>
<td>Bulgaria</td>
<td>Russia</td>
</tr>
<tr>
<td>Sodium sulfate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7757-82-6</td>
<td></td>
<td>MAC 10 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

DNELs - General Population

Sodium Persulfate (7775-27-1)

<table>
<thead>
<tr>
<th>Exposure pattern</th>
<th>Route of Exposure</th>
<th>Description</th>
<th>DNEL/DMEL</th>
<th>Most Sensitive Endpoint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute - systemic</td>
<td>dermal</td>
<td>LD0</td>
<td>200 mg/kg bw</td>
<td>Acute toxicity</td>
</tr>
<tr>
<td>Acute - systemic</td>
<td>Inhalation</td>
<td>LC0</td>
<td>295 mg/m³</td>
<td>Acute toxicity</td>
</tr>
<tr>
<td>Acute - systemic</td>
<td>oral</td>
<td>LD0</td>
<td>30 mg/kg bw</td>
<td>Acute toxicity</td>
</tr>
<tr>
<td>Acute - local</td>
<td>dermal</td>
<td>LD0</td>
<td>1,124 mg/cm³</td>
<td>Acute toxicity</td>
</tr>
<tr>
<td>Acute - local</td>
<td>Inhalation</td>
<td>LC0</td>
<td>295 mg/m³</td>
<td>Acute toxicity</td>
</tr>
<tr>
<td>Long term - systemic</td>
<td>dermal</td>
<td>NOAEL</td>
<td>91 mg/kg bw/day</td>
<td>repeated dose toxicity</td>
</tr>
<tr>
<td>Long term - systemic</td>
<td>Inhalation</td>
<td>NOAEC</td>
<td>1.03 mg/m³</td>
<td>repeated dose toxicity</td>
</tr>
<tr>
<td>Long term - systemic</td>
<td>oral</td>
<td>NOAEL</td>
<td>9.1 mg/kg bw/day</td>
<td>repeated dose toxicity</td>
</tr>
<tr>
<td>Long term - local</td>
<td>dermal</td>
<td>NOAEL</td>
<td>0.051 mg/cm³</td>
<td>repeated dose toxicity</td>
</tr>
<tr>
<td>Long term - local</td>
<td>Inhalation</td>
<td>NOAEC</td>
<td>1.03 mg/m³</td>
<td>repeated dose toxicity</td>
</tr>
</tbody>
</table>

8.2. Exposure Controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

General information

Protective engineering solutions should be implemented and in use before personal protective equipment is considered.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators: Effective dust mask.

Eye/Face Protection

Eye protection recommended. Chemical goggles consistent with EN 166 or equivalent.

Skin and Body Protection

Wear long-sleeved shirt, long pants, socks, and shoes.

Hand Protection

Protective gloves: Neoprene gloves, Polyvinylchloride, Natural Rubber.

Hygiene measures

Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Wash hands before breaks and after shifts. Keep work clothes separate, remove contaminated clothing - launder after open handling of product.

Environmental exposure controls

The product should not be allowed to enter drains, water courses or the soil.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
Appearance  Crystalline solid
Color  White
Physical State  Solid
Odor  odorless
Odor threshold  Not applicable
pH  No information available  6.0 (1% solution)
Flash point  Not flammable
Melting Point/Range  Decomposes on heating  180 °C
Freezing Point  Not applicable
Boiling Point/Range  No information available  Decomposes on heating
Autoignition temperature  No evidence of combustion up to 600°C
Explosive properties  Not explosive
Vapor pressure  6.07E-30  mm Hg at 25°C
Vapor density  No information available
Density  2.59  g/cm³ (crystal density)  1.68
Partition coefficient  No information available
Water solubility  42 % @ 25 °C
Viscosity  No information available (Solid)
Evaporation Rate  No information available
Decomposition temperature  > 100 °C (assume)

9.2. OTHER INFORMATION
Bulk Density  1.12  g/cm³ (loose)
Molecular weight  238.1
VOC content (%)  Not applicable

10. STABILITY AND REACTIVITY

10.1. Reactivity
Strong oxidizer.

10.2. Chemical Stability
Stable under recommended storage conditions. Unstable if heated. Unstable on exposure to moisture. Unstable in presence of contamination.

10.3. Possibility of Hazardous Reactions
Use of persulfates in chemical reactions requires appropriate precautions and design considerations for pressure and thermal relief.

Decomposing persulfates will evolve large volumes of gas and/or vapor, can accelerate exponentially with heat generation, and create significant and hazardous pressures if contained and not properly controlled or mitigated.

Use with alcohols in the presence of water has been demonstrated to generate conditions that require rigorous adherence to process safety methods and standards to prevent escalation to an uncontrolled reaction.

10.4. Conditions to avoid
Heat. (decomposes at 275 °C); Moisture.

10.5. incompatible materials
Bases, Halides, Oxidizing agents, Strong reducing agents, Combustible materials.

10.6. Hazardous Decomposition Products
Oxygen which supports combustion; Sulfur oxides.
11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

**Acute toxicity**
Product Information.

| LD50 Dermal |  > 10,000 mg/kg (rabbit) (Sodium Persulfate) |
| LD50 Oral   | 895 mg/kg (rat) (Sodium Persulfate) |
| LC50 Inhalation |  > 5.1 mg/L (rat) (4-hr) (Sodium Persulfate) |

**Skin Contact**
Irritating to skin. Persulfates in general, specifically diammonium persulfate and dipotassium persulfate, exhibited skin irritation properties in human case reports, following occupational exposure and consumer use. Irritating (rabbit).

**Eye Contact**
Irritating to eyes. Has been shown to exhibit eye irritation properties in human case reports following occupational exposure and consumer use. Slightly or non-irritating (rabbit).

**Inhalation**
May cause irritation of respiratory tract. Respiratory irritation has been seen in workers exposed to persulfates. In animals, diammonium persulfate, produced pathological respiratory irritation in a subchronic study.

**Subchronic toxicity**
Oral (NOAEL) = 131.5 mg/kg bw (Sodium Persulfate)

**Chronic toxicity**
Inhalation (NOAEC) = 10.3 mg/m³ (Ammonium Persulfate)
Dermal: No data available

**Sensitization**
Sensitizing to skin and respiratory system.

**Target organ effects**
Eyes. Skin. Respiratory System.

**Carcinogenicity**
Did not show carcinogenic effects in animal experiments.

**Mutagenicity**
In vivo tests did not show mutagenic effects.

**Reproductive toxicity**
Diammonium persulfate did not affect fertility or the developing fetus in animal studies (NOAEL: 250 mg/kg bw).

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity effects

<table>
<thead>
<tr>
<th>Sodium Persulfate (7775-27-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Ingredient(s)</td>
</tr>
<tr>
<td>Sodium Persulfate</td>
</tr>
<tr>
<td>Sodium Persulfate</td>
</tr>
<tr>
<td>Sodium Persulfate</td>
</tr>
<tr>
<td>Sodium Persulfate</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

Biodegradability does not pertain to inorganic substances.

12.3. Bioaccumulative potential

Does not bioaccumulate.

12.4. Mobility in soil
Dissociates into ions.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment is not required for inorganic substances.

12.6. Other Adverse Effects

None known.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused products  Dispose of as hazardous waste in compliance with local and national regulations.

Product / Packaging disposal  Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated Packaging  Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

ADR/RID

<table>
<thead>
<tr>
<th>UN/ID no</th>
<th>SODIUM PERSULFATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1505</td>
<td>SODIUM PERSULFATE</td>
</tr>
<tr>
<td>5.1</td>
<td>III</td>
</tr>
</tbody>
</table>

IMDG/IMO

<table>
<thead>
<tr>
<th>UN/ID no</th>
<th>SODIUM PERSULFATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1505</td>
<td>SODIUM PERSULFATE</td>
</tr>
<tr>
<td>5.1</td>
<td>III</td>
</tr>
</tbody>
</table>

ICAO/IATA

<table>
<thead>
<tr>
<th>UN/ID no</th>
<th>SODIUM PERSULFATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1505</td>
<td>SODIUM PERSULFATE</td>
</tr>
<tr>
<td>5.1</td>
<td>III</td>
</tr>
</tbody>
</table>

ADN

<table>
<thead>
<tr>
<th>UN/ID no</th>
<th>SODIUM PERSULFATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1505</td>
<td>SODIUM PERSULFATE</td>
</tr>
<tr>
<td>5.1</td>
<td>III</td>
</tr>
</tbody>
</table>

Transport Symbol

Environmental Hazards  This product contains no chemical substance that is listed as a marine pollutant according to DOT

Special Precautions for users  According to United Nations "Recommendations on the transport of dangerous goods"
15. REGULATORY INFORMATION

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

International Inventories

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>TSCA (United States)</th>
<th>DSL (Canada)</th>
<th>EINECS/ELINCS (Europe)</th>
<th>ENCS (Japan)</th>
<th>China (IECSC)</th>
<th>KECL (Korea)</th>
<th>PICCS (Philippines)</th>
<th>AICS (Australia)</th>
<th>NZIoC (New Zealand)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Persulfate 7775-27-1</td>
<td>X</td>
<td>X</td>
<td>231-892-1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Sodium sulfate 7757-82-6</td>
<td>X</td>
<td>X</td>
<td>231-820-9</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Directive 2008/98/EC on waste
Applicable

Major Accidents (Directive 2012/18/EU)
Included for storage of quantities exceeding 50 Tm

CWC (Chemical Weapons Convention) - Annex on Chemicals
Not applicable

15.2. Chemical Safety Report

A Chemical Safety Assessment has been carried out for this substance.

16. OTHER INFORMATION

Full text of H-phrases referred to in sections 2 and 3
H272 - May intensify fire; oxidizer
H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H317 - May cause an allergic skin reaction
H335 - May cause respiratory irritation

Issuing Date: 2018-10-16

Restrictions on Use
This product's foreseen or recommended applications are: Polymerization initiator, Etchant and cleaner for printed circuit boards, Hair bleaching formulations, Secondary oil recovery, Oxidizing agent for a variety of organic reactions.

Additional information
This Safety Data Sheet has been prepared according to Regulation (EC) 1907/2006 and Regulation (EU) 453/2010

Revision date: 2019-12-16

Revision note
SDS sections updated: 1

List of Abbreviations and Acronyms
ATE Acute Toxicity Estimate
ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
AND European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CE50 Concentración Efectiva Media
CEN European Committee for Standardisation
CLP Classification and Labelling
CLV Ceiling Limit Value Par CAS# Chemical Abstracts Service number
CMR Carcinogen, Mutagen, or Reproductive Toxicant

Page 10 / 12
CSA Chemical Safety Assessment
CSR Chemical Safety Report
DNEL Derived No Effect Level
DOT Department of Transportation
DPD Dangerous Preparations Directive 1999/45/EC
DSD Dangerous Substances Directive 67/548/EEC
DU Downstream User
EC European Community
ECHA European Chemicals Agency
EC-Number EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC European Economic Community
EINECS European Inventory of Existing Commercial Substances
ELINCS European List of notified Chemical Substances
EN European Standard
EQS Environmental Quality Standard
EU European Union
Euphrac European Phrase Catalogue EWC
European Waste Catalogue (replaced by LoW –see below)
FDS Ficha de Datos de Seguridad
GES Generic Exposure Scenario
GHS Globally Harmonized System
ICAO-TI Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG International Maritime Dangerous Goods
IMDRC International Maritime Organization
IMSBC International Maritime Solid Bulk Cargoes
IT Information Technology
IUCB International Union for Pure Applied Chemistry
JRC Joint Research Centre
Kow octanol-water partition coefficient
LC50 Lethal Concentration to 50 % of a test population
Lethal Dose to 50% of a test population (Median Lethal Dose)
LE Legal Entity
LLV Level Limit Value
LoW List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm)
LR Lead Registrant/M/I Manufacturer / Importer MS Member States
MSDS Material Safety Data Sheet
NOEC No observed effect concentration
OE Operational Conditions
OECD Organization for Economic Co-operation and Development
OEL Occupational Exposure Limit
OJ Official Journal
OR Only Representative
OSHA European Agency for Safety and Health at work
PBT Persistent, Bioaccumulative and Toxic substance
PEC Predicted Effect Concentration
PNEC(s) Predicted No Effect Concentration(s)
PPE Personal Protection Equipment
(Q)SAR Qualitative Structure Activity Relationship
RCR Risk Characterization ratio
RID Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP REACH Implementation Project
RMM Risk Management Measure
SADT Self-accelerating decomposition temperature
SCBA Self-Contained Breathing Apparatus
SDS Safety data sheet
SIEF Substance Information Exchange Forum
Klozur® SP

SME Small and Medium sized Enterprises
STEL Short-term exposure limit
STOT Specific Target Organ Toxicity (STOT)
RE Repeated Exposure(STOT)
SE Single Exposure Par SVHC Substances of Very High Concern
TSCA Toxic Substances Control Act
TWA Time Weighed Average
UN United Nations
vPvB Very Persistent and Very Bioaccumulative / mPmB Muy Persistente y Muy Bioacumulativo
WGK Wassergefährdungsklassen

Disclaimer
PeroxyChem believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use are beyond the control of PeroxyChem, PeroxyChem expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.

Prepared By:
PeroxyChem
© 2019 PeroxyChem. All Rights Reserved.

End of Safety Data Sheet