



Safer Commodity Screening Program Sampling Guidelines

(formerly SC for CC)
V3 - May 2020



INFORMATION BOOKLET

This document provides
guidelines for the
submission of commodity
chemical samples by
Suppliers of Screened
Chemistry Brands

SAFER COMMODITY SCREENING PROGRAM

(formerly SC for CC)

The Screened Chemistry Brands are interested in the analysis of Commodity Chemicals used in their supply chain for the presence of Priority Restricted Substance Groups. The Safer Commodity Screening Program is a collaboration between Scivera and NimkarTek Laboratory to offer Screened Chemistry rules for commodity chemicals.



Some examples of Commodity Chemicals used in the Textile Industry are given below. Please note, this list of chemicals is to be used for guidance only. It should not be considered complete. If you are using any other Commodity Chemical / Bulk Chemical, please contact Scivera.





TABLE 1 – LIST OF COMMODITY CHEMICALS FOR SC FOR CC PROGRAM	
CAS NO(s)	Commodity Chemical
77-92-9	Citric Acid
144-62-7	Oxalic Acid
7647-14-5	Sodium Chloride
7757-82-6	Sodium Sulphate
1344-09-8	Sodium Silicate
497-19-8; 5968-11-6; 6132-02-1	Sodium Carbonate
7783-20-2	Ammonium Sulphate
57-13-6	Urea
9002-89-5	Polyvinyl Alcohol
7786-30-3	Magnesium Chloride
7772-98-7; 10102-17-7	Sodium Thiosulphate
7681-57-4	Sodium Metabisulfite
1310-58-3	Potassium Hydroxide
1310-73-2	Sodium Hydroxide
64-19-7	Acetic Acid
7722-84-1	Hydrogen Peroxide
7681-52-9; 7681-52-8	Sodium Hypochlorite
15630-89-4	Sodium Percarbonate
7775-27-1	Sodium Persulfate
7775-54-3	Calcium Hypochlorite
64-18-6	Formic Acid
7775-14-6	Sodium Hydrosulphite
7722-64-7	Potassium Permanganate
7664-38-2	Phosphoric Acid



**The Commodity Chemicals highlighted in Orange are 'Dangerous Goods' as per the IATA regulations. Please refer to Section 2 of this document for support on the Sampling, Labelling and Dispatch of Dangerous Goods.*

Section 1 – Sampling Guidelines for Commodity Chemicals

Correct Sampling and proper packaging can help ensure that your chemical samples are uncontaminated and arrive at the Laboratory safely. These Chemical Sampling Guidelines will help you prepare your samples for dispatch to NimkarTek Laboratory.

<p>Step 1: Sample Bottles</p> <ul style="list-style-type: none"> ● Preferred Sample Bottles – NEW Amber Coloured Glass Bottles ● Bottles should come with an Inner Lid and Screw Cap ● <i>DO NOT WASH or RINSE the sample bottles.</i> ● <i>DO NOT use old or reused bottles.</i> <p>Sample Quantity</p> <ol style="list-style-type: none"> 1. For Non-Dangerous Chemicals - Fill 50 grams or 50 ml of the Chemical in the Bottle. 2. For Neutralised / Deactivated Commodity Chemicals – Fill 100 grams or 100 ml of the Chemical in the Bottle. 	
<p>Step 2: Label the Bottle Correctly</p> <ul style="list-style-type: none"> ● Press the inner lid firmly in its place and place the screw cap on the bottle. Ensure there is no leakage. <p>Labelling the Bottle</p> <ol style="list-style-type: none"> 1. For Non-Dangerous Chemicals - Label the bottle correctly with the following details <ul style="list-style-type: none"> ○ Sample Name (Chemical Name) ○ Lot Number 2. For Neutralised / Deactivated Commodity Chemicals – Enter the CC Sample Number as given in the Product Information table in the Transmittal Document (e.g. #001, #002...) 	

<p><i>All communication should be in ENGLISH ONLY</i></p>	
<p>Step 3: Packing the Sample Bottle</p> <ul style="list-style-type: none"> ● Pack each bottle individually in bubble-wrap to avoid breakages during transportation 	
<p>Step 4: Packing Procedure</p> <ul style="list-style-type: none"> ● Place each bottle in a box and centre them away from other items and away from the sides, corners, top, and bottom of the box. ● Position bottles that contain liquids upright. ● Restrict product movement by using fillers such as crumpled newspaper, loose fill peanuts, or other. ● Take a print-out of <u>SC for CC Transmittal Document</u>. Please this inside the box along with the Samples. ● Enclose a business card with the company's name, address and phone number inside the package ● Please attach the completed <u>CHECKLIST (given under Section 3)</u> inside the box 	
<p>Step 5: Sealing your Package</p> <ul style="list-style-type: none"> ● Apply plastic tape evenly across flaps and seams on both the top and bottom of the box. 	
<p>Step 6: Addressing and Labelling your package</p> <ul style="list-style-type: none"> ● Place delivery information on the outside the package. Include an address for your company. ● A print-out template of NimkarTek Laboratory address is given in Section 3 below. Place this on the largest surface of the Box. 	

<p>Step 7: Documents for the courier</p> <p>Once the box is packaged and labelled, please attach all the documents which are required for courier –</p> <ul style="list-style-type: none"> ● Document 1 – Undertaking of Non-Dangerous Goods and Contraband ● Document 2 – Commercial Invoice ● Safety Data Sheets (SDS) – of all chemical samples <p>These documents should be placed in a plastic bag and attached on the outside of the Box.</p> <p>All templates are provided below under Section 3</p>	
<p>Step 8: Courier your samples to NimkarTek Laboratory</p> <ul style="list-style-type: none"> ● Courier the samples to NimkarTek Technical Services Laboratory in Mumbai, India using global services such as DHL, Fedex, Bluedart, UPS services or other. ● Email the courier details and tracking number at lab@nimkartek.com along with TRANSMITTAL DOCUMENT and UON. <p>NOTE – All charges related to courier, dispatch and customs clearance of samples will be borne by the customer.</p>	

NIMKARTEK CONTACT DETAILS:

ANY QUESTIONS? Please contact us for more information:

Email	Phone	Mobile
Lab@nimkartek.com	(+91) 22 25888463	(+91) 9819641527
Info@nimkartek.com	(+91) 22 25885185	(+91) 7045331488

Section 2 – Sampling Guidelines for Commodity Chemicals classified as Dangerous Goods (DG) as per IATA Guidelines

Certain Commodity Chemicals are classified as Dangerous Goods (DG) and hence cannot be shipped. The SC for CC Program allows you to neutralize / deactivate these Commodity Chemicals and then ship the safe final product for analysis.

This section provides information on how DG Commodity chemicals can be neutralized at the Supplier Facility Unit. Once the DG Commodity Chemical is neutralized/ deactivated, please prepare a 100 gm or 100 ml sample and send this to the Laboratory for analysis using the Guidelines provided in Section 1.

General Apparatus needed for Neutralization / deactivated Reactions –

1. Clean Beakers
2. Measuring Cylinders
3. Droppers
4. Distilled water/ Deionized water
5. pH Paper and/or pH meter
6. NOTE - All Neutralizing / Deactivating Agents need to be Analytical Grade (AR). We recommend that these chemicals should be procured from reputed suppliers.

WARNING:

All Chemicals given in this Section are potentially hazardous

Care should be taken while handling these Chemicals. We advise the use of Personal Protective Equipment such as Goggles or Safety Glasses, Gloves and Lab coats

The list of DG Commodity Chemicals along with their procedure for neutralization is given below

CAS No.	Dangerous Goods Commodity Chemical
64-19-7	Acetic Acid
7722-84-1	Hydrogen Peroxide
7681-52-9; 7681-52-8	Sodium Hypochlorite
15630-89-4	Sodium Percarbonate
7775-27-1	Sodium Persulfate
7775-54-3	Calcium Hypochlorite
64-18-6	Formic Acid
7775-14-6	Sodium Hydrosulphite
7722-64-7	Potassium Permanganate
7664-38-2	Phosphoric Acid

<p style="text-align: center;">1. Acetic Acid</p>	<p style="text-align: center;">2. Hydrogen Peroxide</p>
<p><u>Preparation of Acetic Acid Solution:</u></p> <ul style="list-style-type: none"> Take 100 ml Measuring Cylinder Add 90 ml de-ionised / distilled water. Slowly add 10 ml Acetic Acid to make it to 100 ml. <p><u>Neutralise Acetic Acid with Sodium Hydroxide</u></p> <p><u>Preparation of Sodium Hydroxide solution:</u></p> <ul style="list-style-type: none"> Dissolve 10g of Sodium Hydroxide (pellets) in 100 ml of de-ionised / distilled Water. <p><u>Neutralising Procedure:</u></p> <ul style="list-style-type: none"> Take 100 ml Acetic Acid Solution in a 250 ml beaker Slowly add the Sodium Hydroxide solution, with stirring, until final pH is 6 - 7 Check pH using pH paper/ pH meter. Stir the final solution and allow it to cool. Pack 100 ml of this solution using the Guidelines provided in Section 1 <u>Label the bottle as Sodium Acetate</u> <p>NOTE – The Final Product is Sodium Acetate.</p>	<p><u>Preparation of Hydrogen Peroxide Solution:</u></p> <ul style="list-style-type: none"> Take 10 ml Hydrogen Peroxide in a 100 ml Measuring Cylinder Add 90 ml of de-ionised / distilled water to make it to 100 ml. <p><u>Deactivate Hydrogen Peroxide with Sodium Metabisulphite</u></p> <p><u>Preparation of Sodium Metabisulphite solution:</u></p> <ul style="list-style-type: none"> Dissolve 10g Sodium Metabisulphite in 50 ml De-ionised/Distilled water. <p><u>Deactivation Procedure:</u></p> <ul style="list-style-type: none"> Take 100 ml Hydrogen Peroxide solution in a 250 ml beaker. Slowly add the Sodium Metabisulphite solution, with stirring. Ensure that the solution is free from Peroxide using Starch Iodide Paper till no blue colour is generated. Pack 100 ml of this solution using the Guidelines provided in Section 1. <u>Label the bottle as Sodium Sulphate</u> <p>NOTE – The Final Product is Sodium Sulphate</p>

<p style="text-align: center;">3. Sodium Hypochlorite</p>	<p style="text-align: center;">4. Sodium Percarbonate</p>
<p><u>Preparation of Sodium Hypochlorite Solution:</u></p> <ul style="list-style-type: none"> Take 10 ml Sodium Hypochlorite in 100 ml Measuring Cylinder. Add 90 ml of de-ionised / distilled water to make it to 100 ml. <p><u>Deactivate Sodium Hypochlorite with Sodium Sulphite</u></p> <p><u>Preparation of Sodium Sulphite solution:</u></p> <ul style="list-style-type: none"> Dissolve 10 g of Sodium Sulphite in 50ml of de-ionised / distilled Water. <p><u>Deactivation Procedure:</u></p> <ul style="list-style-type: none"> Take 100 ml Sodium Hypochlorite solution in a 250 ml beaker. Slowly add the Sodium Sulphite solution, with stirring. Ensure that the solution is free from Chlorine using Starch Iodide Paper till no blue colour is generated. Pack 100 ml of this solution using the Guidelines provided in Section 1. <u>Label the bottle as Sodium Chloride</u> <p>NOTE – The Final Products are Sodium Sulphate and Sodium Chloride</p>	<p><u>Preparation of Sodium Percarbonate solution:</u></p> <ul style="list-style-type: none"> Take 10 ml Sodium Percarbonate in 100 ml Measuring Cylinder. Add 90 ml of de-ionised / distilled water to make it to 100 ml. <p><u>Deactivate Sodium Percarbonate with Sodium Metabisulphite</u></p> <p><u>Preparation of Sodium Metabisulphite solution:</u></p> <ul style="list-style-type: none"> Dissolve 15g Sodium Metabisulphite in 50ml De-ionised/Distilled water. <p><u>Preparation of Potassium Permanganate Solution</u></p> <ul style="list-style-type: none"> Dissolve 1g of Potassium Permanganate in 100mL of water. <p><u>Deactivation Procedure:</u></p> <ul style="list-style-type: none"> Take 100 ml Sodium Percarbonate solution in a 250 ml beaker. Slowly add the Sodium Metabisulphite solution, with stirring. Keep this for 15 minutes Add 2-3 drops of Potassium Permanganate solution. No brown/black colour indicates absence of Hydrogen peroxide. Pack 100 ml of this solution using the Guidelines provided in Section 1. <u>Label the bottle as Sodium Sulphate</u>

	<p>NOTE – The Final Product is Sodium Sulphate</p>
<p style="text-align: center;">5. Sodium Persulfate</p>	<p style="text-align: center;">6. Calcium Hypochlorite</p>
<p><u>Preparation of Sodium Persulfate solution:</u></p> <ul style="list-style-type: none"> Take 10 ml Sodium Persulfate in 100 ml Measuring Cylinder. Add 90 ml of de-ionised / distilled water to make it to 100 ml. <p><u>Deactivate Sodium Persulfate with Sodium bisulphite</u></p> <p><u>Preparation of Sodium bisulphite solution:</u></p> <ul style="list-style-type: none"> Dissolve 10g of Sodium bisulphite in 50ml of de-ionised / distilled Water. <p><u>Deactivation Procedure:</u></p> <ul style="list-style-type: none"> Take 100 ml Sodium Persulfate solution in a 250 ml beaker. Slowly add the Sodium bisulphite solution, with stirring. Ensure that the solution is free from oxidising agents using Starch Iodide Paper till no blue colour is generated. Pack 100 ml of this solution using the Guidelines provided in Section 1. <u>Label the bottle as Sodium Sulphate</u> <p>NOTE – The Final Products are Sodium Sulphate</p>	<p><u>Preparation of Calcium Hypochlorite Solution:</u></p> <ul style="list-style-type: none"> Take 10 ml Calcium Hypochlorite in 100 ml Measuring Cylinder. Add 90 ml of de-ionised / distilled water to make it to 100 ml. <p><u>Deactivate Calcium Hypochlorite with Sodium Sulphite</u></p> <p><u>Preparation of Sodium Sulphite solution:</u></p> <ul style="list-style-type: none"> Dissolve 10 g of Sodium Sulphite in 50 ml of de-ionised / distilled Water. <p><u>Deactivation Procedure:</u></p> <ul style="list-style-type: none"> Take 100 ml Calcium Hypochlorite solution in a 250 ml beaker. Slowly add the Sodium Sulphite solution, with stirring. Ensure that the solution is free from Chlorine using Starch Iodide Paper till no blue colour is generated. Pack 100 ml of this solution using the Guidelines provided in Section 1. <u>Label the bottle as Calcium Sulphate</u> <p>NOTE – The Final Products are Calcium Sulphate and Sodium Chloride</p>

<p style="text-align: center;">7. Formic Acid</p>	<p style="text-align: center;">8. Sodium Hydrosulphite</p>
<p><u>Preparation of Preparation of Formic Acid Solution:</u></p> <ul style="list-style-type: none"> Take a 100 ml Measuring Cylinder Add 90 ml de-ionised / distilled water. Slowly add 10 ml Formic Acid to make it to 100 ml. <p><u>Neutralise Formic Acid with Sodium Hydroxide</u></p> <p><u>Preparation of Sodium Hydroxide solution:</u></p> <ul style="list-style-type: none"> Dissolve 10g of Sodium Hydroxide (pellets) in 50ml of de-ionised / distilled Water. <p><u>Neutralising Procedure:</u></p> <ul style="list-style-type: none"> Take 100 ml Formic Acid Solution in a 250 ml beaker Slowly add the Sodium Hydroxide solution, with stirring, until final pH is 6 - 7 Check pH using pH paper/ pH meter. Stir the final solution and allow it to cool. Pack 100 ml of this solution using the Guidelines provided in Section 1 <u>Label the bottle as Sodium Formate</u> <p>NOTE – The Final Product is Sodium Formate.</p>	<p><u>Preparation of Sodium Hydrosulfite solution:</u></p> <ul style="list-style-type: none"> Take 10 ml Sodium Hydrosulphite in a 100 ml Measuring Cylinder Add 90 ml of de-ionised / distilled water to make it to 100 ml. <p><u>Deactivate Sodium Hydrosulphite with Hydrogen Peroxide</u></p> <p><u>Deactivation Procedure:</u></p> <ul style="list-style-type: none"> Take 100 ml Sodium Hydrosulfite solution in a 250 ml beaker. Add Hydrogen Peroxide (Analytical Grade – 30% or 50%) to the beaker Periodically test with starch iodide paper for oxidising agent. Stop the addition of Hydrogen Peroxide once the Starch Iodide paper turns blue. Pack 100 ml of this solution using the Guidelines provided in Section 1 <u>Label the bottle as Sodium Sulphate</u> <p>NOTE – The Final Product is Sodium Sulphate.</p>

<p style="text-align: center;">9. Phosphoric Acid</p>	<p style="text-align: center;">10. Potassium Permanganate</p>
<p><u>Preparation of Phosphoric Acid Solution:</u></p> <ul style="list-style-type: none"> Take 10 ml Phosphoric Acid in a 100 ml Measuring Cylinder Add 90 ml of de-ionised / distilled water to make it to 100 ml. <p><u>Neutralise Phosphoric Acid with Sodium Hydroxide</u></p> <p><u>Preparation of Sodium Hydroxide solution:</u> Dissolve 25g of Sodium Hydroxide (pellets) in 100 ml of de-ionised / distilled Water.</p> <p><u>Neutralising Procedure:</u></p> <ul style="list-style-type: none"> Take 100 ml Phosphoric Acid Solution in a 250 ml beaker Slowly add the Sodium Hydroxide solution, with stirring, until final pH is 6 - 7 Check pH using pH paper/ pH meter. Stir the final solution and allow it to cool. Pack 100 ml of this solution using the Guidelines provided in Section 1 <p>NOTE – The Final Product is Sodium Phosphate.</p>	<p><u>Preparation of Potassium permanganate Solution:</u></p> <ul style="list-style-type: none"> Take 5g Potassium permanganate in a 100 ml. beaker Dissolve in 100 ml of de-ionised / distilled water. <p><u>Deactivate Potassium permanganate with Sodium Metabisulphite</u></p> <p><u>Preparation of Sodium Metabisulphite solution:</u> Dissolve 25g Sodium Metabisulphite in 100 ml De-ionised/Distilled water.</p> <p><u>Deactivation Procedure:</u></p> <ul style="list-style-type: none"> Take 100 ml Potassium permanganate solution in a 250 ml beaker. Add 10 drops of concentrated sulphuric acid. Slowly add the Sodium Metabisulphite solution, with stirring until the permanganate colour is discharged and initial brown precipitate dissolves. Pack 100 ml of this solution using the Guidelines provided in Section 1. <p>NOTE – The Final Product is Sodium Sulphate</p>

IMPORTANT* Labelling Summary – Please use the following name for the Neutralized / De-activated DG Chemicals in all documents -

Name of IATA Dangerous Goods	Sampling Bottle Label Name
Acetic Acid	Sodium Acetate
Hydrogen Peroxide	Sodium Sulphate
Sodium Hypochlorite	Sodium Chloride
Sodium Percarbonate	Sodium Sulphate
Sodium Persulfate	Sodium Sulphate
Calcium Hypochlorite	Calcium Sulphate
Formic Acid	Sodium Formate

Sodium Hydrosulphite	Sodium Sulphate
Phosphoric Acid	Sodium Phosphate
Potassium Permanganate	Sodium Sulphate

Please use Safety Data Sheet (SDS) template for the Products, provided under Section 3 (Document 4)

Section 3 – Dispatch Document Templates

Laboratory Address:

You can cut on the dotted line and paste the Address on your courier Box

Laboratory Contact Details:

Name of contact person: Anagha Nimkar

CONTACT EMAIL: lab@nimkartek.com

CONTACT NUMBER: +91-22-25888463. / + 91- 7045331488

To:

NimkarTek Technical Services Pvt Ltd,
 3rd Floor, Narmada Building,
 Laxmi Industrial Complex,
 Vartak Nagar, Pokhran Road 1,
 Thane (West)-400606, India

DOCUMENT 1

3 rd Floor Narmada, Laxmi Industrial Complex, Vartak Nagar, Pokhran Road No. 1, Thane (W) – 400606, India.		
+91 22 25888463	lab@nimkartek.com	www.nimkartek.com
Version: November 2019		

CHECKLIST FOR SAMPLING AND SAMPLE DISPATCH

Please print this Checklist and attach a copy of the same with your Courier.

I have attached the following documents –

- 'Sample Information / Submission Form' (Place a copy in the courier box)
- 'Safety Data Sheets' of all the chemical samples
- Undertaking of Non-Dangerous Goods and Contraband
- Commercial Invoice for the shipment

Signature of Authorized Representative:

Name and Title of Authorized Representative:

Contact Information

Contact Name :

Contact Email :

Company Name :

Company Address :

Please contact the NimkarTek Team with any questions lab@nimkartek.com

DOCUMENT 2

Date: dd/mm/yyyy

UNDERTAKING FOR NON DANGEROUS GOOD AND ANY CONTRABAND

To,

We __<Company Name> __ are enclosing herewith ___ number of Chemical Samples which will be sent to NimkarTek Technical Services Pvt Ltd in Mumbai, India, for research and testing purposes.

We hereby assure you that the chemical samples are Non-Dangerous and do not contain any Contraband that may conflict with custom regulations.

The chemical samples have no re-sale value and are for testing purposes only.

The Safety Data Sheets of all chemicals are duly enclosed for your reference.

Thanking you,

For _____ < Company Name > _____

Signature (along with Company Stamp)

DOCUMENT 3

Commercial Invoice (TEMPLATE)

International Air Waybill No.

Date: dd/mm/yyyy

SHIPPER/EXPORTER INFORMATION	CONSIGNEE INFORMATION
Company Name:	Company Name: NimkarTek Technical Services Pvt. Ltd
Address:	Address: 3 rd Floor, Narmada Building, Laxmi Industrial Complex, Vartak Nagar, Pokhran Road 1, Thane 400606, India.
Phone No.:	Phone No.: +91 22 25888463
Email ID:	Email ID: LAB@NIMKARTEK.COM
Technical Contact Person:	Technical Contact Person (NimkarTek): Anagha Nimkar

The following chemicals are couriered to NimkarTek Technical Services Pvt Ltd –

<i>Chemical Name</i>	<i>Manufacturer/ Supplier</i>	<i>Weight lb/g</i>	<i>Unit value Currency</i>
Total Value			USD 1.00

Please Note: The Total Value should be in Standard Currency i.e. Euro or the Dollar

3 rd Floor Narmada, Laxmi Industrial Complex, Vartak Nagar, Pokhran Road No. 1, Thane (W) – 400606, India.		
+91 22 25888463	lab@nimkartek.com	www.nimkartek.com
Version: November 2019		

Signature (along with Company Stamp)

DOCUMENT 4

Airway Bill Number (TEMPLATE):

SHIPPER/EXPORTER INFORMATION	CONSIGNEE INFORMATION
Company Name:	Company: NimkarTek Technical Services Pvt. Ltd
Address:	Address: 3 rd Floor, Narmada Building, Laxmi Industrial Complex, Vartak Nagar, Pokhran Road 1, Thane 400606, India.
Phone NO:	Phone NO: 91 22 25888463
Email ID:	Email ID: LAB@NIMKARTEK.COM
Technical Contact Person:	Technical Contact Person: Anagha Nimkar
	ORMATION

PLEASE NOTE: The shipping details provided on Airway Bill Number Document and Commercial Invoice generated at time of Shipping should be identical. If there is a difference in the details, it can cause some difficulty in dispatch

DOCUMENT 5

SAFETY DATA SHEET

This document has been prepared for Salt Solutions formed from the Neutralized/ Deactivated DG Chemicals.

Please fill up a copy of this Safety Data Sheet (SDS) for all Neutralized / Deactivated Chemicals.

You will be required to enter the following data –

- a. Manufacturer/ Supplier Name and contact details and
- b. Final Product name (as given in the Table)

Please print one copy on the Company Letterhead and attach it with your courier.

SAFETY DATA SHEET

This sheet was supplied by the request of transporter of the analytical sample only.

Final Product

SECTION 1: Identification of the substance/mixture and of the company/undertaking	
1.1. Product identifier	
Trade name:	Final Product Name
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Uses:	Analytical sample
1.3. Details of the supplier of the safety data sheet	
Manufacturer/Supplier name:	Identification of the Company sending the sample
Address:	
Telephone number:	
e-mail address of the person responsible for the data sheet:	@

1.4. Emergency telephone number	
Emergency telephone number:	http://apps.who.int/poisoncentres/
SECTION 2: Hazards identification	
2.1. Classification of the substance or mixture	
Classification according to GHS: not classified	
2.2. Label elements	
According to GHS: no labeling requirement	
Additional hazard information:	none
Hazardous components which must be listed on the label:	none
2.3. Other hazards	
PBT/vPvB classification:	Product does not meet the conditions to be PBT or vPvB.
SECTION 3: Composition/information on ingredients	
3.2. Mixtures	
Hazardous components: None of components are classified as hazardous according to GHS.	
SECTION 4: First aid measures	
4.1. Description of first aid measures	
General notes:	Remove the pieces of clothing and shoes contaminated with the product! Clean clothing prior to repeated use
In case of inhalation:	No specific requirement.
In case of skin contact:	Clean the contaminated skin surface with soaped running water. Slight irritation may occur if the product regularly contacts skin for an extended period. In such case, skin must be washed for at least 15 minutes or until pain is released.
In case of eye contact:	Rinse with water carefully for several minutes. In special cases, contact lenses must be removed if easily manageable and carry on rinsing. If eye irritation still exists, ask for special medical assistance

In case of aspiration or ingestion:	In case of a greater dose ingested, diarrhea or vomiting may occur.
4.2. Most important symptoms and effects, both acute and delayed	
No special information	
4.3. Indication of any immediate medical attention and special treatment needed	
Symptoms must be treated appropriately.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing agent:	Product is not flammable
5.2. Special hazards arising from the substance or mixture	
Carbon-dioxide, carbon-monoxide, sulphur oxides	
5.3. Advice for firefighters	
Fire-fighters must wear protective garment and aspiration equipment made independent from external air (SCBA).	
SECTION 6: Accidental release measures	
6.1. Personal precautions, protective equipment and emergency procedures	
No specific requirements.	
6.2. Environmental precautions	
The product and any wastes it may produce must be prevented from getting in living water, soil and public ducts.	
6.3. Methods and materials for containment and cleaning up	
Spilled product can be absorbed on sand and deposited.	
6.4. Reference to other sections	
See also SECTIONS 8 and 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	

<i>Precautions:</i>	The product should be avoided to get in eyes, on skin or on clothing.
<i>Information about fire-and explosion protection:</i>	Product is rather destroying fire.
<i>Advice on professional hygiene:</i>	All regulations regarding chemicals and general hygienic regulations must be kept. Following use of the product, thorough hand wash is needed.
7.2. Conditions for safe storage, including any incompatibilities	
Technical measures and storage conditions:	The substance must be kept in the original container till testing.
7.3. Specific end use(s)	
No data.	
SECTION 8: Exposure controls/personal protection	
8.1. Control parameters	
Occupational exposure limit values: No data available for the components	
Biological monitoring limit value: No data available	
8.2. Exposure controls	
Appropriate technical control:	
The chemicals must be kept away from food, tobacco products and fodder!	
See also: SECTION 7.	
Personal precautions, e.g. personal protective equipment:	
Eye-/face protection:	Safety goggles and face protection in case of spillage hazard. Eye wash bottle with pure water.
Skin-/ body protection	No measures are needed.
Hands protection:	No measures are needed.
Protection of the respiratory system:	No measures are needed.
Environmental exposure control: Large amounts of product must be avoided from getting in the environment. Small amounts can be washed into the sewage.	
SECTION 9: Physical and chemical properties	

9.1. Information on basic physical and chemical properties		
a)	Appearance	Clear solution
b)	Odour	None
c)	Odour threshold	No data available
d)	pH	4-10
e)	Melting point/freezing point	Below 0°C
f)	Initial boiling point and boiling range	100°C
g)	Flash point	Not flammable
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	Not applicable
j)	Upper/lower flammability or explosive limits	Not flammable
k)	Vapour pressure	No data available
l)	Vapour density	like water
m)	Relative density	above 1 g/cm ³
n)	Solubility(ies)	Miscible with water
o)	Partition coefficient: n-octanol/water	No data available
p)	Auto-ignition temperature	Not flammable
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	Not explosive
t)	Oxidising properties	Not oxidising
9.2. Other information		
No data		
SECTION 10: Stability and reactivity		
10.1. Reactivity		

No data available
10.2. Chemical stability
Stable under the prescribed handling and storage conditions.
10.3. Possibility of hazardous reactions
No data available.
10.4. Conditions to avoid
Low temperature only because a part of the solid content may crystallize out.
10.5. Incompatible materials
No special information available.
10.6. Hazardous decomposition products
No decomposition under the prescribed handling and storage conditions.
SECTION 11: Toxicological information
11.1. Information on toxicological effects
Test data on the mixture are not available
SECTION 12: Ecological information
12.1. Toxicity
Test data on the mixture are not available.
12.2. Persistence and degradability
no data
12.3. Bioaccumulative potential
no data
12.4. Mobility in soil
no data
12.5. Results of PBT and vPvB assessment
None of the components as inorganic substances are considered to be persistent, bio-accumulative or toxic, neither to be very persistent or very bio-accumulative.

12.6. Other adverse effects	
No special information available	
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
of the product must be handled according to the local regulations. All wastes need to be collected and disposed under the local regulations.	
SECTION 14: Transport information	
14.1. UN number	not dangerous good
14.2. UN proper shipping name	not dangerous good
14.3. Transport hazard class(es)	not dangerous good
14.4. Packing group	not dangerous good
14.5. Environmental hazards	no
14.6. Special precautions for user	none
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	Not relevant
SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	No specific information available.
15.2. Chemical safety assessment	Chemical safety assessment regarding the mixture has been prepared.
SECTION 16: Other information	
The present information is based on our present knowledge. The present safety data sheet has been composed with reference to the subject product and is only relevant to the same.	
Changes upon revision of the data sheet: First version	
Abbreviations:	
PBT	Persistent, bio-accumulative and toxic material
vPvB	Very persistent, very bio-accumulative
GHS	Globally Harmonized System of classification and labelling chemicals

Methods of Mixtures Classification: Classification was made with calculation method based on the classification of the component substances

Relevant H phrases if not stipulated in SECTIONS 2-15: None.

*** End of Document ***