This Safety Data Sheet packet contains the documents for the products listed below:

BOSS® 294 Clear Epoxy - Resin (Part A)
BOSS® 294 Clear Epoxy - Hardener (Part B)

The product listed has two separate components; please confirm that you have the SDS for both parts before use.

Safety Data Sheet

BOSS® 294 Clear Epoxy - Resin (Part A)

Section 1. Identification

Product Identifier	BOSS® 294 Clear Epoxy - Resin (Part A)
Synonyms	29410
Manufacturer Stock Numbers	04240CL01A; 04240CL10
Recommended use	Refer to Technical Information
Uses advised against	Refer to Technical Information

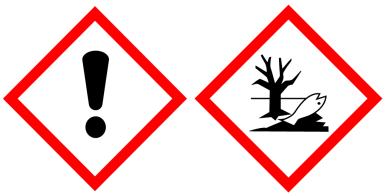
Manufacturer Contact

Address

Soudal Accumetric
350 Ring Road
Elizabethtown, KY, 42701
USA

Phone	Emergency Phone	Fax
(270) 769-3385	(800) 424-9300 CHEMTREC	(270) 765-2412

Section 2. Hazards Identification

Classification	EYE DAMAGE/IRRITATION - Category 2A HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD - Category 2 SENSITIZATION - SKIN - Category 1 SKIN CORROSION/IRRITATION - Category 2
Signal Word	Warning
Pictogram	

Hazard Statements	Causes serious eye irritation Causes skin irritation May cause an allergic skin reaction Toxic to aquatic life with long lasting effects
Precautionary Statements	
Response	Collect spillage If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Read label before use. If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse.
Prevention	Avoid breathing vapor. Avoid release to the environment. Contaminated work clothing must not be allowed out of the workplace. Wash hands thoroughly after handling. Wear eye protection/face protection. Wear protective gloves: > 8 hours (breakthrough time): butyl rubber, Ethyl Vinyl Alcohol Laminate (EVAL), nitrile rubber, neoprene, Polyvinyl Chloride (PVC).
Storage	N/A
Disposal	Dispose of contents/container in accordance with all local, regional, national and international regulations.
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	
Other hazards	None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
25068-38-6	Bisphenol A / Epichlorohydrin Resin	60% - 100%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Description of necessary first aid measures	Eye contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact
Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion
Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects
Inhalation: No known significant effects or critical hazards.
Ingestion: Irritating to mouth, throat and stomach.
Skin contact: Causes skin irritation. May cause an allergic skin reaction.
Eye contact: Causes serious eye irritation.

Over-exposure signs/symptoms measures
Inhalation: No specific data.
Ingestion: No specific data.
Skin contact: Adverse symptoms may include the following: irritation, redness
Eye contact: Adverse symptoms may include the following: pain or irritation, watering
redness

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

Notes to physician
No specific treatment. Treat symptomatically. Call medical doctor or poison control center immediately if large quantities have been ingested.

Protection of first-aiders
No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable Extinguishing Media	None known
Specific hazards arising from the chemical	In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental Release Measures

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
Methods and materials for containment and cleaning up	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and Storage

Protective measures	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any

process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 2 to 40°C (35.6 to 104°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Bisphenol A / Epichlorohydrin Resin	N/A	N/A	N/A

Personal Protective Equipment

Goggles, Gloves

Control parameters

Appropriate engineering controls
Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection
Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): butyl rubber, Ethyl Vinyl Alcohol Laminate (EVAL), nitrile rubber, neoprene, Polyvinyl Chloride (PVC)

Body protection
Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection
Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection
Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Thermal hazards
Not available

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Colorless
Odor	Slight
Odor Threshold	Not available
Solubility	Practically insoluble in water
Partition coefficient Water/n-octanol	3.8
VOC%	Not available
Viscosity	10000-12000cP Dynamic (@20C)
Specific Gravity	1.185
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	>200C >392F
FP Method	PMCC

Ph	7 {Conc. (%w/w): 50%]
Melting Point	Not available
Boiling Point	> 200C >392C
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	Not available
Flammability	Not available
Decomposition Temperature	>200C >392
Auto-ignition Temperature	Not available
Vapor Pressure	Not available
Vapor Density	Not available

Note	The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

Section 10. Stability and Reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	No specific data.
Materials to Avoid	No specific data.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Irritation/Corrosion	Bisphenol A epoxy resin OECD 404 Acute Dermal Irritation/Corrosion Rabbit Skin - Mild irritant OECD 405 Acute Eye Irritation/Corrosion Rabbit Eyes - Mild irritant Conclusion Skin: Bisphenol A epoxy resin Irritating to skin. Eyes : Bisphenol A epoxy resin Irritating to eyes. Respiratory : Bisphenol A epoxy resin No additional information.
Sensitization	Ingredient: Bisphenol A epoxy resin Route of exposure: skin Speices: mouse Result: sensitizing
Mutagenicity	Bisphenol A epoxy resin Experiment: In vitro Subject: Bacteria

Metabolic activation: +/-
Result: Positive

Experiment: In vitro
Subject: Mammalian-Animal
Cell: Somatic
Metabolic activation: +/-
Result: Positive

Experiment: In vivo
Subject: Mammalian-Animal
Cell: Germ
Result: Negative

Experiment: In vivo
Subject: Mammalian-Animal
Cell: Somatic
Result: Negative

Carcinogenicity

Bisphenol A epoxy resin
OECD 453 Combined Chronic Toxicity/Carcinogenicity Studies
Rat - Male, Female
15 mg/kg
2 years; 7 days per week
Negative - Oral - NOAEL

OECD 453 Combined Chronic Toxicity/Carcinogenicity Studies
Rat - Female 1 mg/kg
2 years; 5 days per week
Negative - Dermal - NOEL

OECD 453 Combined Chronic Toxicity/Carcinogenicity Studies
Mouse - Male 0.1 mg/kg
2 years; 3 days per week
Negative - Dermal - NOEL

Reproductive toxicity

Bisphenol A epoxy resin
OECD 416 Two-Generation Reproduction Toxicity Study
Species: Rat - Male, Female
Maternal toxicity: Negative
Fertility: Negative
Developmental effects: Negative

Teratogenicity

Bisphenol A epoxy resin
OECD 414 Prenatal Developmental Toxicity Study
Species: Rat - Female
Result: Negative - Oral

EPA CFR
Species: Rabbit - Female
Result: Negative - Dermal

OECD 414 Prenatal Developmental Toxicity Study
Species: Rabbit - Female
Result: Negative - Oral

Specific target organ toxicity	Single exposure No information available for the product. Repeated exposure No information available for the product.
Aspiration hazard	Not available
Information on the likely routes of exposure	Not available
Potential acute health effects	Eye contact No known significant effects or critical hazards. Inhalation Irritating to mouth, throat and stomach. Skin contact Causes skin irritation. May cause an allergic skin reaction. Ingestion Causes serious eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Eye contact Adverse symptoms may include the following: pain or irritation, watering, redness Inhaltion No specific data Skin contact Adverse symptoms may include the following: irritation, redness Ingestion Mo specific data
Delayed and immediate effects and also chronic effects from short and long term	Short term exposure Potential immediate effects: Not available. Potential delayed effects: Not available. Long term exposure Potential immediate effects: Not available. Potential delayed effects: Not available
Potential chronic health effects	Bisphenol A epoxy resin OECD 408 Repeated Dose 90-Day Oral Toxicity Study in Rodents Sub-chronic NOAEL Oral Rat - Male, Female 50 mg/kg OECD 411 Subchronic Dermal Toxicity: 90-day Study Sub-chronic NOEL Dermal Rat - Male, Female 10 mg/kg OECD 411 Subchronic Dermal Toxicity: 90-day Study Sub-chronic NOAEL Dermal Mouse - Male 100 mg/kg

Other information	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Section 12. Ecological Information

Toxicity	Bisphenol A epoxy resin EPA CFR Acute EC50 72 hours Static Algae 9.4 mg/l OECD 202 Daphnia sp. Acute Immobilisation Test Acute EC50 48 hours Static Daphnia 1.7 mg/l OECD 203 Fish, Acute Toxicity Test Acute LC50 96 hours Statuc Fish 1.5 mg/l OECD 211 Daphnia Magna Reproduction Test Chronic NOEC 21 days Semi-static Daphnia 0.3 mg/l
Persistence and degradability	Bisphenol A epoxy resin OECD Derived from OECD 301F (Biodegradation Test) Period: 28 days Results: 5 % Conclusion: Not readily biodegradable
Bioaccumulative potential	Bisphenol A epoxy resin LogPow: 3.8 BCF: - Potential: low Bisphenol A epoxy resin LogPow: 3.242 BCF: 31 Potential: low
Mobility in soil	No data available.
Other adverse effects	No known significant effects or critical hazards.
Other ecological information	BOD5: Not determined. COD: Not determined. TOC: Not determined.

Section 13. Disposal

Disposal methods	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14. Transport Information

UN Number	3082
UN Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Bisphenol a epoxy resin) Marine pollutant
DOT Classification	Classes: 9
Packing Group	III
Additional information	Non-bulk packages of this product are not regulated as hazardous materials unless transported by inland waterway. The marine pollutant mark is not required when transported on inland waterways in sizes of <=5 L or <=5 kg.

Section 15. Regulatory Information

US Federal Regulations	TSCA 8(b) inventory All components are listed or exempted. TSCA 5(a)2 final significant new use rule (SNUR) No ingredients listed. TSCA 5(e) substance consent order No ingredients listed. TSCA 12(b) export notification No ingredients listed. SARA 311/312 Immediate (acute) health hazard SARA 313 No ingredients listed. Clean Air Act - Ozone Depleting Substances (ODS) This product does not contain nor is it manufactured with ozone depleting substances.

	CERCLA Hazardous substances 1-chloro-2, 3-epoxypropane (0.001%) Section 304 CERCLA Hazardous Substance: Listed CERCLA Reportable Quantity (Lbs): 100 Product Reportable Quantity (Lbs): 10,000,000
US State Regulations	Pennsylvania RTK: No ingredients listed California Propsition 65 This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.
Canadian regulations	CEPA DSL : All components are listed or exempted. WHMIS Classes : Class D-2B: Material causing other toxic effects (Toxic). This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations

Section 16. Other Information

Revision Date	12/9/2015
Disclaimer	The data contained herein is based upon information that Soudal Accumetric believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Safety Data Sheet

BOSS® 294 Clear Eopxy - Hardener (Part B)

Section 1. Identification

Product Identifier	BOSS® 294 Clear Eopxy - Hardener (Part B)
Synonyms	29410
Manufacturer Stock Numbers	04240CL10; 04240CL01B
Recommended use	Refer to Technical Information
Uses advised against	Refer to Technical Information

Manufacturer Contact

Address

Soudal Accumetric
350 Ring Road
Elizabethtown, KY, 42701
USA

Phone	Emergency Phone	Fax
(270) 769-3385	(800) 424-9300 CHEMTREC	(270) 765-2412

Section 2. Hazards Identification

Classification	EYE DAMAGE/IRRITATION - Category 2A SKIN CORROSION/IRRITATION - Category 2
Signal Word	Warning
Pictogram	
Hazard Statements	Causes serious eye irritation Causes skin irritation
Precautionary Statements	

Response	If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If medical advice is needed, have product container or label at hand. If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Prevention	Wash hands thoroughly after handling. Wear eye protection/face protection. Wear protective gloves.
Storage	N/A
Disposal	N/A
General	Keep out of reach of children Read label before use

Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	
Other hazards	None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
90-72-2	2,4,6-Tri(dimethylaminomethyl) phenol	10% - 30%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person roviding aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin Contact	Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Potential acute health affects	Eye Contact Causes serious eye irritation. Inhalation Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. Skin Contact Causes skin irritation. Ingestion Irritating to mouth, throat and stomach.
Over-exposure signs/symptoms	Eye contact Adverse symptoms may include the following: pain or irritation, watering, redness Inhalation No known significant effects or critical hazards. Skin contact Adverse symptoms may include the following: irritation, redness Ingestion No known significant effects or critical hazards.
Indication of immediate medical attention and special treatment needed	Notes to physician In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Specific treatments No specific treatment. Protection of first-aiders No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media	Do not use water as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	No specific fire or explosion hazard.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
Special protective actions for firefighters	No special measures are required.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment and cleaning up	Small spill Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Large spill Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and Storage

Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Protective measures	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
2,4,6-Tri(dimethylaminomethyl) phenol	N/A	N/A	N/A

Personal Protective Equipment

Goggles, Gloves

Control parameters

United States Occupational exposure limits
None

Canada Occupational exposure limits
No exposure limit value known.

Appropriate engineering controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
Hygiene measures	Wash hands, forearms and face after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still

	retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Colorless to light yellow
Odor	Mercaptan-like
Odor Threshold	Not available
Solubility	Insoluble in water
Partition coefficient Water/n-octanol	Not available
VOC%	N/A
Viscosity	Dynamic 100 - 1600 cP
Specific Gravity	1.13
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	>93.3C >199.9F
FP Method	Pensky-Martens
Ph	Not available
Melting Point	Not available
Boiling Point	Not available
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	Not available
Flammability	Highly flammable in the presence of heat
Decomposition Temperature	Not available
Auto-ignition Temperature	Not available

Vapor Pressure	Not available
Vapor Density	Not available

Note	The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

Section 10. Stability and Reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	No specific data.
Incompatible materials	Highly reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Information on toxicological effects	Acute toxicity 2,4,6-Tris(dimethylaminomethyl) phenol LD50 Dermal Rat 1280 mg/kg LD50 Oral Rat 1200 mg/kg Irritation/Corrosion 2,4,6-Tris(dimethylaminomethyl) phenol Eyes - Severe irritant Rabbit 24 hours 50 µg Skin - Mild irritant - Rat 0.025 mL Skin - Sever irritant - Rat 0.25 mL Skin - Severe irritant - Rabbit 24 hours 2 mg
Sensitization	There is no data available.
Carcinogenicity	There is no data available.
Specific target organ toxicity	Single exposure There is no data available Repeated exposure There is no data available
Aspiration hazard	There is no data available.
Information on the likely routes of exposure	Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects	Eye contact Causes serious eye irritation Inhalation Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

	Skin contact Causes skin irritation. Ingestion Irritating to mouth, throat and stomach.
Symptoms related to the physical, chemical and toxicological characteristics	Eye contact Adverse symptoms may include the following: pain or irritation, watering, redness Inhalation No known significant effects or critical hazards. Skin contact Adverse symptoms may include the following: irritation, redness Ingestion No known significant effects or critical hazards.
Delayed and immediate effects and also chronic effects from short and long term	Short term exposure Potential immediate effects: No known significant effects or critical hazards. Potential delayed effects: No known significant effects or critical hazards. Long term exposure Potential immediate effects: No known significant effects or critical hazards. Potential delayed effects: No known significant effects or critical hazards.
Potential chronic health effects	General: No known significant effects or critical hazards. Carcinogenicity: No known significant effects or critical hazards. Mutagenicity: No known significant effects or critical hazards. Teratogenicity: No known significant effects or critical hazards. Developmental effects: No known significant effects or critical hazards. Fertility effects: No known significant effects or critical hazards.

Section 12. Ecological Information

Toxicity	There is no data available.
Persistence and degradability	There is no data available.
Bioaccumulative potential	2,4,6-Tris(dimethylaminomethyl) phenol LogPow: 0.219 BCF: - Potential: low

Mobility in soil	Soil/water partition coefficient: Not available
Other adverse effects	No known significant effects or critical hazards.

Section 13. Disposal

Disposal methods	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not regulated
DOT Classification	Not regulated
Packing Group	Not regulated
IMDG Class	Not regulated
IATA	UN number: UN3334 UN proper shipping name: AVIATION REGULATED LIQUID, N.O.S. (Mercaptan Amine Blend) Transport hazard class(es): 9 Packing group: III Environmental hazards: No Additional information: Passenger and Cargo Aircraft Packaging instructions: 964 Special provisions Schedule B Code 2930.90.91.90
Special precautions for user	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available

Section 15. Regulatory Information

US Federal Regulations	TSCA 8(a) CDR EXEMPT/PARTIAL EXEMPTION Not determined.

	UNITED STATES INVENTORY (TSCA 8b) All components are listed or exempted.
Clean Air Act	Sectionn 112(b) Hazardous Air Pollutants (HAPs) Not listed
	Section 602 Class I Substances Not listed
	Section 602 Class II Substances Not listed
DEA	List I Chemicals (Precursor Chemicals) Not listed
	List II Chemicals (Essential Chemicals) Not listed
SARA 302/304	Composition/information on ingredients No products were found.
	SARA 304 RQ : Not applicable.
SARA 311/312	Immediate (acute) health hazard
State Regulations	Massachusetts None of the components are listed.
	New York None of the components are listed.
	New Jersey None of the components are listed.
	Pennsylvania None of the components are listed.
	California Prop 65 No products were found
Canada	WHMIS (Canada): Class D-2B: Material causing other toxic effects (Toxic). Canadian NPRI: None of the components are listed. CEPA Toxic substances: None of the components are listed. Canada inventory: Not determined.
Chemical Weapons Convention List	Schedule I Not listed
	Schedule II Not listed
	Schedule III Not listed

Section 16. Other Information

Revision Date	11/12/2015
Disclaimer	The data contained herein is based upon information that Soudal Accumetric

believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.