

Issue date:13/02/2020

Revision date: 13/02/2025

Version: 1.0

| | Issue date:13/02/2020 | Revision date: 13/02/2025 : Version: 1.0 |
|--|--|--|
| SECTION 1: Identification | | |
| 1.1. Product identifier | | |
| Trade name | : FORMIC ACIE |) 85% |
| EC-No. | : 200-579-1 | , 03 /0 |
| EC Index-No. | : 607-001-00-0 | |
| CAS-No. | : 64-18-6 | |
| UN-No. (ADR) | : 1779 | |
| Product code | : 106110xxx | |
| Formula | : CH2O2 | |
| | of the substance or mixture | and uses advised against |
| Recommended uses and restrictions | | |
| | : For laboratory | use only |
| 1.3. Supplier's details | | |
| Labchem (Pty)Ltd 6 Wakefield Road Founders Hill 1609 Johannesburg - South Africa T +27 11 452 1116 - F +27 86 588 02 techlab@labchem.co.za - www.labch | | |
| 1.4. Emergency telephone num | mber | |
| Emergency number | : +27 11 452 11 | 16 |
| SECTION 2: Hazards identif | ication | |
| 2.1. Classification of the subs | | |
| Flammable liquids, Category 3 Skin corrosion/irritation, Category 1A Full text of H statements : see section 2.2. Label elements Labelling according to the United N Hazard pictograms (GHS-ZA) | | |
| Signal word (GHS-ZA) Hazard statements (GHS-ZA) | | GHS05 GHS05 able liquid and vapour. s severe skin burns and eve damage. |
| Precautionary statements (GHS-ZA) | smoking. P233 - Keep c P240 - Ground P241 - Use ex P242 - Use no P243 - Take a P260 - Do not P264 - Wash h | way from heat, hot surfaces, sparks, open flames and other ignition sources. No container tightly closed. d and bond container and receiving equipment. plosion-proof equipment. on-sparking tools. ction to prevent static discharges. breathe dust/fume/gas/mist/vapours/spray. nands, forearms and face thoroughly after handling. protective gloves/protective clothing/eye protection/face protection. |
| | P301+P330+P P303+P361+P Rinse skin with P304+P340 - I P305+P351+P contact lenses P310 - Immed P321 - Specifit P363 - Wash o P370+P378 - I P403+P235 - S P405 - Store lo | P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove s, if present and easy to do. Continue rinsing. iately call a POISON CENTER or doctor. c treatment (see supplemental first aid instruction on this label). contaminated clothing before reuse. In case of fire: Use media other than water to extinguish. |

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

accordance with local, regional, national and/or international regulation. 2.3. Other hazards Adverse physicochemical, human health and : Flammable liquid and vapour, Causes severe skin burns and eye damage. environmental effects **SECTION 3: Composition/information on ingredients** Substances 3.1. Substance identification codes: See section 1.1 Product identifier % **Classification according to** Name the United Nations GHS Flam. Liq. 3, H226 Skin Corr. 1A, H314 (CAS-No.) 64-18-6 ≥ 85 formic acid (Main constituent) Full text of H-statements: see section 16 **Mixtures** 3.2. Not applicable SECTION 4: First aid measures 4.1. **Description of first aid measures** : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory First-aid measures general arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital. Call a physician immediately First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. Remove the victim into fresh air. Immediately consult a doctor/medical service. First-aid measures after skin contact Wash immediately with lots of water (15 minutes)/shower. Do not apply (chemical) neutralizing agents. Remove clothing while washing. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor/medical service. If burned surface > 10%: take victim to hospital. Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately. First-aid measures after eye contact Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralizing agents. Take victim to an ophthalmologist. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. First-aid measures after ingestion Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Do not give activated charcoal. Immediately consult a doctor/medical service. Call Poison Information Centre (www.big.be/antigif.html). Ingestion of large quantities: immediately to hospital. Take the container/vomit to the doctor/hospital. Do not give chemical antidote. Rinse mouth. Do not induce vomiting. Call a physician immediately. 4.2. Most important symptoms and effects, both acute and delayed EXPOSURE TO HIGH CONCENTRATIONS: Corrosion of the upper respiratory tract. Dry/sore Symptoms/effects after inhalation throat. Coughing. Nausea. Respiratory difficulties. FOLLOWING SYMPTOMS MAY APPEAR LATER: Affection of the nasal septum. Risk of lung oedema. Respiratory collapse. Symptoms/effects after skin contact : Caustic burns/corrosion of the skin. Burns Symptoms/effects after eye contact Corrosion of the eye tissue. Serious damage to eyes. Symptoms/effects after ingestion Nausea. Abdominal pain. Risk of aspiration pneumonia. Change in the haemogramme/blood composition. Burns to the gastric/intestinal mucosa. Possible esophageal perforation. Blood in vomit. Bleeding of the gastrointestinal tract. Blood in stool. Shock. Low arterial pressure. Disturbances of consciousness. Decreased renal function. Burns. Chronic symptoms No effects known. Potential adverse human health effects and : Causes severe skin burns. Causes serious eye damage. symptoms Indication of any immediate medical attention and special treatment needed 4.3. Treat symptomatically **SECTION 5: Firefighting measures** Extinguishing media 5.1 Suitable extinguishing media : Quick-acting ABC powder extinguisher. Quick-acting BC powder extinguisher. Quick-acting class B foam extinguisher. Quick-acting CO2 extinguisher. Class B foam (alcohol-resistant). Water spray if puddle cannot expand. Water spray. Dry powder. Foam. Carbon dioxide.

Water (quick-acting extinguisher, reel); risk of puddle expansion. Water; risk of puddle

Unsuitable extinguishing media

expansion

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

| 5.2. Special hazards arising from the su | bstance or mixture |
|--|--|
| Fire hazard | DIRECT FIRE HAZARD: Flammable liquid and vapour. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD: May be ignited by sparks. Reactions involving a fire hazard: see "Reactivity Hazard". Flammable liquid and vapour. |
| Explosion hazard | DIRECT EXPLOSION HAZARD: Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD: may be ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard". |
| Hazardous decomposition products in case of fire | : Upon combustion: CO and CO2 are formed. |
| 5.3. Advice for firefighters | |
| Firefighting instructions | : Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed the heat. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
| SECTION 6: Accidental release mea | sures |
| 6.1. Personal precautions, protective ed | uipment and emergency procedures |
| No additional information available | |
| 6.1.1. For non-emergency personnel | |
| Protective equipment | : Gas-tight suit. Corrosion-proof suit. |
| Emergency procedures | : Ventilate spillage area. Keep upwind. Mark the danger area. Consider evacuation. Seal off low lying areas. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. |
| 6.1.2. For emergency responders | |
| | |

Protective equipment : Do not attempt to take action without suitable protective equipment. Compressed air/oxygen apparatus. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent soil and water pollution. Prevent spreading in sewers.

| 6.3. | Methods and material for containment and cleaning up |
|------|--|
| | |

| For containment | : Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Do not use compressed air for pumping over spills. Dilute combustible/toxic gases/vapours with water spray. Take account of toxic/corrosive precipitation water. Hazardous reaction: measure explosive gas-air mixture. Reaction: dilute combustible gas/vapour with water curtain. |
|-------------------------|--|
| Methods for cleaning up | Take up liquid spill into absorbent material. Neutralize spill with powdered limestone or sodium bicarbonate. Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling. Notify authorities if product enters sewers or public waters. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

SECTION 7: Handling and storage

| 7.1. | Precautions for safe handling | | |
|---|-------------------------------|--|--|
| Precautions for safe handling Hygiene measures | | : Ensure good ventilation of the work station. Keep away from naked flames/heat. Keep a from ignition sources/sparks. Use spark-/explosionproof appliances and lighting system earthed equipment. Measure the concentration in the air regularly. Carry operations in t open/under local exhaust/ventilation or with respiratory protection. Comply with the lega requirements. Remove contaminated clothing immediately. Clean contaminated clothing Thoroughly clean/dry the installation before use. Do not discharge the waste into the dr not use compressed air for pumping over. Keep container tightly closed. Keep away fro hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bom container and receiving equipment. Use only non-sparking tools. Take precautionary m against static discharge. Flammable vapours may accumulate in the container. Use exp proof equipment. Wear personal protective equipment. Avoid contact with skin and eye not breathe dust/fume/gas/mist/vapours/spray. | |
| | | : | Observe strict hygiene. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |
| 7.2. Conditions for safe storage, including any incompatibilities | | any incompatibilities | |
| Technic | al measures | : | Ground/bond container and receiving equipment. |
| Storage | conditions | : | Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. |

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

| Storage area | Store in a cool area. Store in a dry area. Ventilation at floor level. Fireproof storeroom. Keep locked up. Protect against frost. Provide for a tub to collect spills. Unauthorized persons are not admitted. Store only in a limited quantity. Meet the legal requirements. |
|------------------------------|---|
| Heat and ignition sources | : KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources. |
| Information on mixed storage | : KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. (strong) bases. amines. |
| Special rules on packaging | SPECIAL REQUIREMENTS: closing. with pressure relief valve. corrosion-proof. dry. clean. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers. |
| Packaging materials | : SUITABLE MATERIAL: stainless steel. carbon steel. glass. MATERIAL TO AVOID: steel. lead. aluminium. iron. copper. zinc. |

SECTION 8: Exposure controls/personal protection 8.1. Control parameters

| FORMIC ACID 85% (64-18-6) | | | |
|--|------|---|--|
| South Africa - Occupational Exposure Limits (Recommended Limits) | | | |
| Local name | | Formic Acid | |
| OEL TWA (mg/m ³) | | 9 mg/m ³ | |
| OEL TWA (ppm) | | 5 ppm | |
| Regulatory reference | | Government Notice. R: 1179 | |
| 8.2. Appropriate engineering controls | | | |
| Appropriate engineering controls | : Er | sure good ventilation of the work station. | |
| Environmental exposure controls : Avo | | oid release to the environment. | |
| 8.3. Individual protection measures, such as personal protective equipment (PPE) | | ersonal protective equipment (PPE) | |
| polyur polyet | | VE GOOD RESISTANCE: butyl rubber. natural rubber. neoprene. nitrile rubber. lyurethane. PVC. styrene-butadiene rubber. GIVE LESS RESISTANCE: chlorinated lyethylene. viton. neoprene/SBR. nitrile rubber/PVC. GIVE POOR RESISTANCE: lyethylene | |
| Hand protection | : GI | oves | |
| Eye protection | : Sa | fety glasses | |
| Skin and body protection | : He | ad/neck protection. Corrosion-proof clothing | |
| | | II face mask with filter type A at conc. in air > exposure limit. High vapour/gas concentration: If-contained respirator | |

Personal protective equipment symbol(s):



8.4. Exposure limit values for the other components

No additional information available

| SECTION 9: Physical and chemical properties | | | |
|--|------------------------------------|-----|--|
| 9.1. Information on basic physical and chemical properties | | | |
| Physical state : Liquid | | | |
| Appearance | : Liquid. | | |
| Molecular mass | : 46.03 g/mol | | |
| Colour | : Colourless. | | |
| Odour | : Irritating/pungent odour. | | |
| Odour threshold | : No data available | | |
| рН | : No data available | | |
| pH solution | : No data available | | |
| Relative evaporation rate (butylacetate=1) | : No data available | | |
| Relative evaporation rate (ether=1) | : No data available | | |
| Melting point | : Not applicable | | |
| Freezing point | : No data available | | |
| Boiling point | : No data available | | |
| Flash point | : 59 – 60 °C | | |
| Auto-ignition temperature | : > 500 °C (85 % aqueous solution) | | |
| 28/02/2020 | 74 - en | //7 | |

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

| 6 | |
|---|---|
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : No data available |
| Vapour pressure at 50 °C | : No data available |
| Relative vapour density at 20 °C | : 1.6 |
| Relative density | : 1.2 (85 %) |
| Relative density of saturated gas/air mixture | : No data available |
| Density | : 1200 kg/m³ (85 %) |
| Relative gas density | : No data available |
| Solubility | : Soluble in water. Water: complete |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Partition coefficient n-octanol/water (Log Kow) | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |
| Lower explosive limit (LEL) | : No data available |
| Upper explosive limit (UEL) | : No data available |
| 9.2. Other information | |
| VOC content | : 85 – 90 % |
| Other properties | : Gas/vapour heavier than air at 20°C. Clear. Hygroscopic. Producing fumes/mist. Physical properties depending on the concentration. Volatile. Acid reaction. |

| SECTION 10: Stability and reactivity | | | | | |
|--------------------------------------|--|--|--|--|--|
| 10.1. | Reactivity | | | | |
| | iolently with (strong) oxidizers: pressure rise and possible bursting of container. Reacts exothermically with (some) acids/bases. Reacts nically with amines. Flammable liquid and vapour. | | | | |
| 10.0 | | | | | |

| 10.2. | Chemical stability | | | | |
|---|------------------------------------|--|--|--|--|
| Hygroscopic. | | | | | |
| 10.3. | Possibility of hazardous reactions | | | | |
| No dangerous reactions known under normal conditions of use. | | | | | |
| 10.4. | Conditions to avoid | | | | |
| Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. | | | | | |
| 10.5. | Incompatible materials | | | | |
| No additional information available | | | | | |
| 10.6. | Hazardous decomposition products | | | | |
| Reacts with (some) metals: release of highly flammable gases/vapours (hydrogen). Prolonged storage: decomposes slowly: release of | | | | | |

harmful/irritant gases/vapours (nydrogen). Protonged storage: decomposes stowy: release of harmful/irritant gases/vapours (carbon monoxide): pressure rise and possible bursting of container. This reaction is accelerated on exposure to some compounds and on exposure to temperature rise. On heating: release of highly flammable gases/vapours (hydrogen).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) | : Not classified : Not classified : Not classified |
|--|--|
| Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity | Causes severe skin burns. Assumed to cause serious eye damage Not classified Not classified Not classified |
| Reproductive toxicity STOT-single exposure STOT-repeated exposure Aspiration hazard | Not classified Not classified Not classified Not classified |

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

| Potential adverse human health effects and symptoms | : Causes severe skin burns. Causes serious eye damage. | |
|---|--|--|
| SECTION 12: Ecological information | | |
| 12.1. Toxicity | | |
| | : Not classified as dangerous for the environment according to the criteria of Regulation (EC) Not 1272/2008. Before neutralisation, the product may represent a danger to aquatic organisms. | |
| Ecology - air | : None of the known components is included in the list of substances which may contribute to the greenhouse effect (IPCC). None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014). Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009). | |
| Ecology - water | Slightly harmful to crustacea. Slightly harmful to fishes. Inhibition of activated sludge. Not harmful to algae. pH shift. Harmful to plankton. | |
| Hazardous to the aquatic environment, short- term (acute) | Not classified | |
| Hazardous to the aquatic environment, long- term (chronic) | Not classified | |
| 12.2. Persistence and degradability | | |
| FORMIC ACID 85% (64-18-6) | | |
| Persistence and degradability | Contains readily biodegradable component(s). | |
| 12.3. Bioaccumulative potential | | |
| FORMIC ACID 85% (64-18-6) | | |
| Bioaccumulative potential | Does not contain bioaccumulative component(s). | |
| 12.4. Mobility in soil | | |

| 12.4. Mobility in soil | | | | |
|-----------------------------|--|--|--|--|
| FORMIC ACID 85% (64-18-6) | | | | |
| Mobility in soil | No additional information available | | | |
| Ecology - soil | Contains component(s) with potential for mobility in the soil. | | | |
| 12.5. Other adverse effects | | | | |
| Ozone | : Not classified | | | |
| Other adverse effects | : No additional information available | | | |

| SECTION 13: Disposal consideration 13.1. Disposal methods | 15 |
|--|--|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Do not discharge into drains or the environment. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste. |
| Additional information | : Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. Flammable vapours may accumulate in the container. |

SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

| SANS | IMDG | ΙΑΤΑ | | | |
|----------------------------------|----------------------------|----------------|--|--|--|
| 14.1. UN number | | | | | |
| 1779 | 1779 | 1779 | | | |
| 14.2. Proper Shipping Name | 14.2. Proper Shipping Name | | | | |
| FORMIC ACID | FORMIC ACID | Formic acid | | | |
| 14.3. Transport hazard class(es) | | | | | |
| 8 (3) | 8 (3) | 8 (3) | | | |
| | | Not applicable | | | |
| 14.4. Packing group | | | | | |
| II | II | II | | | |
| 28/02/2020 | 74 on | 6/7 | | | |

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

| SANS | IMDG | ΙΑΤΑ | |
|--|--|--|--|
| 14.5. Environmental hazards | | | |
| Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No | |
| | : | | |
| | No supplementary information ava | ilable | |
| 14.6. Special precautions for user | | | |
| - SANS | | | |
| Transport regulations (UN) | : Subject to the provisions | | |
| Limited quantities (SANS) | : 1L | | |
| Limited quantities (SANS) | : 1L | | |
| Packagings, large packagings and IBCs Packing instructions (SANS) | : P001, IBC02 | | |
| Portable tank and bulk containers instructions (SANS) | : T7 | | |
| Portable tank and bulk container special provisions (SANS) | : TP2 | | |
| - IMDG | | | |
| Transport regulations (IMDG) | : Subject to the provisions | | |
| Limited quantities (IMDG) | : 1L | | |
| Excepted quantities (IMDG) | : E2 | | |
| Packing instructions (IMDG) | : P001 | | |
| IBC packing instructions (IMDG) | : IBC02 | | |
| Tank instructions (IMDG) | : T7 | | |
| Fank special provisions (IMDG) | : TP2 | | |
| | | I-WATER-REACTIVE FLAMMABLE LIQUIDS | |
| EmS-No. (Fire) | | | |
| EmS-No. (Spillage) | | e - FLAMMABLE CORROSIVE LIQUIDS | |
| Stowage category (IMDG) | : A | | |
| Properties and observations (IMDG) | | ungent odour. Pure FORMIC ACID: flashpoint 42°C c.c. urns to skin, eyes and mucous membranes. | |
| - IATA | | | |
| Transport regulations (IATA) | : Subject to the provisions | | |
| PCA Excepted quantities (IATA) | : E2 | | |
| PCA Limited quantities (IATA) | : Y840 | | |
| PCA limited quantity max net quantity (IATA) | : 0.5L | | |
| PCA packing instructions (IATA) | : 851 | | |
| PCA max net quantity (IATA) | : 1L | | |
| CAO packing instructions (IATA) | : 855 | | |
| CAO max net quantity (IATA) | : 30L | | |
| ERG code (IATA) | : 8F | | |
| 14.7. Transport in bulk according to Ann | ex II of MARPOL 73/78 and the IBC Co | de | |
| Not applicable | | | |
| SECTION 15: Regulatory informatio | n | | |
| 15.1. Safety, health, and environmental r | national regulations specific for the pro | oduct | |
| Regulatory reference | | 10; SANS 10228:2012;SANS 10229:2010; SANS | |
| | 10232(1,2,4), SANS 10231:2018; O Road Traffic Act 93 of 1996. | ccupational Health and Safety Act 85 of 1993; National | |
| SECTION 16: Other information | 10/00/0002 | | |
| Issue date | : 13/02/2020 | | |
| Revision date | : 13/02/2025 | | |
| Full text of H-statements: | | | |
| H226 | | iquid and vapour. | |
| H314 | Causes seve | ere skin burns and eye damage. | |

SDS South Africa

The data provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge. The data relates to the specific product as named and is ntended as a guide to the safe handling of the product in all its facets. The data may no longer be valid if the product is used in any process or in combination with other products. This SDS is not a quality specification nor any form of guarantee.