Safety Data Sheet

ITW MARKING & CODING

Issuing Date 19-Mar-2015 **Revision date** 16-Jun-2015 **Revision Number 2**

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier
Product name 5780376, (5780212, 5780212FX, 5780239 and 5780239FX)

Other means of identification
Product Code(s) 5780376 (5780212, 5780212FX, 5780239 and 5780239FX)
UN-No UN1210
Synonyms No information available

Recommended use of the chemical and restrictions on use
Recommended Use ink.
Uses advised against No information available

Details of the supplier of the safety data sheet
Supplier Address
ITW Marking & Coding
1 Missouri Research Park Drive
St. Charles, MO 63304-5685 USA
800-526-2531 / 636-300-2000

Company Name
Collins Inkjet Corporation
1201 Edison Drive
Cincinnati, Ohio 45216
PH: 513-948-9000
Info@collinsinkjet.com
Emergency telephone number InfoTrac - US 800-535-5053 / Int'l 001-352-323-3500

2. Hazards Identification

Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 1
Flammable Liquids	Category 2

Label Elements

EMERGENCY OVERVIEW

Danger

Hazard statements
Toxic if swallowed
Toxic in contact with skin
Harmful if inhaled

Causes serious eye damage
May cause cancer
Causes damage to organs
Highly flammable liquid and vapor

Appearance Black **Physical state** liquid **Odor** solvent

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge

Precautionary Statements - Response
Specific measures (see supplemental first aid instructions on this label)
IF exposed: Call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
Call a POISON CENTER or doctor/physician if you feel unwell
Wash contaminated clothing before reuse
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse mouth
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Other Information
• Toxic to aquatic life with long lasting effects
• Toxic to aquatic life

3. Composition/information on Ingredients

Chemical Name	CAS-No	Weight-%	Trade secret
Ethyl alcohol	64-17-5	25 - 50	*
Methyl alcohol	67-56-1	35 - 60	*

Black Dye	NOT AVAILABLE	1 - 10	*
Ester	Proprietary	1 - 5	*
Ketone	Proprietary	1 - 5	*
Isopropyl alcohol	67-63-0	1 - 5	*
Naphthalene	91-20-3	0.1 - <1	*
2-Naphthol	135-19-3	0.1 - <1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

NOTE
Remaining components are either not hazardous or below threshold limits.

4. First aid measures

Description of first aid measures

General advice Immediate medical attention is required. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If symptoms persist, call a physician.

Eye contact Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If symptoms persist, call a physician.

Skin Contact Wash off immediately with plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Inhalation Immediate medical attention is required. Remove to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

Ingestion Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician or poison control center immediately. Drink plenty of water. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Call a physician.

Self-protection of the first aider Remove all sources of ignition. Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms Hives.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media
Use Carbon dioxide (CO2) Dry chemical Water spray, fog or alcohol-resistant foam

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
No information available.

Explosion data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

7. Handling and Storage

Precautions for safe handling

Handling Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Storage Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place.

Incompatible materials Strong oxidizing agents. Acids. Chlorinated compounds. Strong acids.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines .

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl alcohol 64-17-5	1000 ppm STEL	TWA: 1000 ppm TWA: 1900 mg/m^3	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m^3
Methyl alcohol 67-56-1	250 ppm STEL TWA: 200 ppm	TWA: 200 ppm TWA: 260 mg/m^3	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m^3 STEL: 250 ppm STEL: 325 mg/m^3
Trade secret	500 ppm STEL TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m^3	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m^3
Isopropyl alcohol 67-63-0	400 ppm STEL TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m^3	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m^3 STEL: 500 ppm STEL: 1225 mg/m^3

NIOSH IDLH: Immediately Dangerous to Life or Health

Appropriate engineering controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tight sealing safety goggles. Face protection shield.

Skin and body protection Chemical resistant apron.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures When using do not eat or drink. Regular cleaning of equipment, work area and clothing is recommended.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	liquid		
Appearance	Black	**Odor**	solvent
Color	No information available	**Odor Threshold**	No information available

Property	**Values**	**Remarks • Method**
pH	5 - 7	
Melting point / freezing point		
Boiling point/range (°C) VALUE	75 °C	
Flash point	< 17 °C	Seta Closed Cup
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	11.5 (volume % in Air)	
Lower flammability limit:	1.8 (volume % in Air)	
Vapor pressure	No information available	
Vapor density	No information available	
Specific gravity	0.700 - 0.900	Not applicable
Water solubility	Practically insoluble (~0.4 ug/mL)	
Solubility(ies)	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC content	No information available
Density	No information available
Bulk density	No information available

10. Stability and Reactivity

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid
Heating in air. Heat, flames and sparks.

Incompatible materials
Strong oxidizing agents. Acids. Chlorinated compounds. Strong acids.

Hazardous Decomposition Products
Carbon oxides.

11. Toxicological Information

Information on likely routes of exposure

Product Information The product has not been tested

Inhalation Toxic by inhalation. Avoid breathing vapors or mists. Aspiration into lungs can produce severe lung damage. Toxic: danger of very serious irreversible effects through inhalation. Harmful: possible risk of irreversible effects through inhalation.

Eye contact Irritating to eyes. Avoid contact with eyes. May cause irritation. May cause irreversible damage to eyes.

IF ON SKIN Avoid contact with skin. Toxic in contact with skin. Toxic: Danger of very serious irreversible effects in contact with the skin. Harmful: Possible risk of irreversible effects in contact with the skin.

Ingestion Toxic if swallowed. Do NOT taste or swallow. Toxic: danger of very serious irreversible effects if swallowed. Harmful: possible risk of irreversible effects if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl alcohol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h
Methyl alcohol 67-56-1	= 6200 mg/kg (Rat)	= 15800 mg/kg (Rabbit)	= 22500 ppm (Rat) 8 h = 64000 ppm (Rat) 4 h
Ester	= 1540 mg/kg (Rat)	-	> 5100 mg/m³ (Rat) 4 h
Ketone	= 5800 mg/kg (Rat)	-	= 50100 mg/m³ (Rat) 8 h
Isopropyl alcohol 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m³ (Rat) 4 h
Naphthalene 91-20-3	= 1110 mg/kg (Rat) = 490 mg/kg (Rat)	= 1120 mg/kg (Rabbit) > 20 g/kg (Rabbit)	> 340 mg/m³ (Rat) 1 h
2-Naphthol 135-19-3	= 1320 mg/kg (Rat)	> 10 g/kg (Rabbit)	= 2.2 mg/L (Rat) 4 h > 770 mg/m³ (Rat) 1 h

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

irritation Irritating to eyes, respiratory system and skin.
Sensitization No information available.
Mutagenic effects No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains Ethanol which is classified as a possible carcinogen when ingested in the form of an alcoholic beverage. This is irrelevant as this product is used for ink jet ink applications not an alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl alcohol 64-17-5	-	Group 1	Known	X
Isopropyl alcohol 67-63-0	-	Group 3	-	X
Naphthalene 91-20-3	-	Group 2B	Reasonably Anticipated	X

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans
Group 2A - Probably Carcinogenic to Humans
NTP: (National Toxicity Program)
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
Known - Known Carcinogen

Reproductive toxicity May impair fertility.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Chronic toxicity Avoid repeated exposure. Possible risks of irreversible effects. May impair fertility. Contains a known or suspected reproductive toxin.
Target organ effects liver, blood, Eyes, Skin, Central Nervous System (CNS), blood, Reproductive System, Gastrointestinal tract (GI).
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (oral) 258 mg/kg
ATEmix (dermal) 788 mg/kg
ATEmix (inhalation-dust/mist) 1.3 mg/l

12. Ecological Information

Ecotoxicity

0.825 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Toxicity to Fish	Crustacea
Ethyl alcohol 64-17-5	-	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50
Methyl alcohol 67-56-1	-	19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 28200: 96 h Pimephales promelas mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static	-
Ester	79: 96 h Desmodesmus subspicatus mg/L EC50 360: 72 h Desmodesmus subspicatus mg/L EC50	220 - 460: 96 h Leuciscus idus mg/L LC50 static	500: 48 h Daphnia magna Straus mg/L EC50
Ketone	-	6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50 4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50	12600 - 12700: 48 h Daphnia magna mg/L EC50 10294 - 17704: 48 h Daphnia magna mg/L EC50 Static
Isopropyl alcohol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	11130: 96 h Pimephales promelas mg/L LC50 static 9640: 96 h Pimephales promelas mg/L LC50 flow-through 1400000: 96 h Lepomis macrochirus µg/L LC50	13299: 48 h Daphnia magna mg/L EC50
Naphthalene 91-20-3	0.4: 72 h Skeletonema costatum mg/L EC50	5.74 - 6.44: 96 h Pimephales promelas mg/L LC50 flow-through 31.0265: 96 h Lepomis	1.96: 48 h Daphnia magna mg/L EC50 Flow through 2.16: 48 h Daphnia magna mg/L LC50 1.09

		macrochirus mg/L LC50 static 1.99: 96 h Pimephales promelas mg/L LC50 static 1.6: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.91 - 2.82: 96 h Oncorhynchus mykiss mg/L LC50 static	- 3.4: 48 h Daphnia magna mg/L EC50 Static
2-Naphthol 135-19-3	18.8: 4 h Pseudokirchneriella subcapitata mg/L EC50	2.43 - 3.9: 96 h Pimephales promelas mg/L LC50 static	3.17 - 3.95: 48 h Daphnia magna mg/L LC50

Persistence and degradability
No information available.

Bioaccumulation/Accumulation
No information available.

Chemical Name	Partition coefficient
Ethyl alcohol 64-17-5	-0.32
Methyl alcohol 67-56-1	-0.77
Ester	-0.566
Ketone	-0.24
Isopropyl alcohol 67-63-0	0.05
Naphthalene 91-20-3	3.3
2-Naphthol 135-19-3	2.84

Other adverse effects No information available

13. Disposal Considerations

Waste treatment methods

Waste treatment methods Disposal should be in accordance with applicable regional, national and local laws and regulations. Should not be released into the environment. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated packaging Do not re-use empty containers.

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Naphthalene 91-20-3	-	-	Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	-

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Ethyl alcohol	Toxic; Ignitable

64-17-5	
Methyl alcohol 67-56-1	Toxic; Ignitable
Ketone	Ignitable
Isopropyl alcohol 67-63-0	Toxic, Ignitable
Naphthalene 91-20-3	Toxic

14. Transport Information

DOT Regulated
- **UN-No** UN1210
- **Proper shipping name** Printing Ink, Flammable
- **Hazard Class** 3
- **Packing group** II

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA
- **UN-No** UN1210
- **Proper shipping name** Printing Ink, Flammable
- **Hazard Class** 3
- **Packing group** II

IMDG/IMO
- **UN-No** UN1210
- **Proper shipping name** Printing Ink, Flammable
- **Hazard Class** 3
- **Packing group** II

RID Not regulated

ADR Not regulated

ADN Not regulated

15. Regulatory Information

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethyl alcohol 64-17-5	X	X	X	X	X	X	X	X
Methyl alcohol 67-56-1	X	X	X	X	X	X	X	X
Ester	X	X	X	X	X	X	X	X
Ketone	X	X	X	X	X	X	X	X
Isopropyl alcohol 67-63-0	X	X	X	X	X	X	X	X
Naphthalene 91-20-3	X	X	X	X	X	X	X	X
2-Naphthol 135-19-3	X	X	X	X	X	X	X	X

Legend Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Methyl alcohol - 67-56-1	1.0
Isopropyl alcohol - 67-63-0	1.0
Naphthalene - 91-20-3	0.1

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Naphthalene 91-20-3	100 lb	X	X	X

Chemical Name	CAS-No	Weight-%	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Methyl alcohol	67-56-1	35 - 60	Present	Group IV		
Ester		1 - 5		Group I		
Ketone		1 - 5		Group I		
Naphthalene	91-20-3	0.1 - <1	Present	Group IV		
2-Naphthol	135-19-3	0.1 - <1		Group IV		

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Methyl alcohol 67-56-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Ketone	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Naphthalene 91-20-3	100 lb 1 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Ethyl alcohol - 64-17-5	Carcinogen Developmental
Methyl alcohol - 67-56-1	Developmental
Naphthalene - 91-20-3	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania

Ethyl alcohol 64-17-5	X	X	X
Methyl alcohol 67-56-1	X	X	X
Ketone	X	X	X
Isopropyl alcohol 67-63-0	X	X	X
Naphthalene 91-20-3	X	X	X

U.S. EPA Label Information

EPA Pesticide registration number Not applicable

16. Other Information

NFPA	**Health hazard** 3	**flammability** 3	**Instability** 0	**Physical and chemical properties** -
HMIS	**Health hazard** 3	**flammability** 3	**Physical hazards** 0	**Personal precautions** X

Issuing Date 19-Mar-2015
Revision date 16-Jun-2015
Revision note
No information available

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet