

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET According 1907/2006 (REACH) and (EC) N° 1272/2008

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1. Product identifier

Trade name : **Base 18037**

Product code : Base 18037

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

Normal use of the mixture : Raw material for nail polish manufacturing.

Recommended restrictions : At that time we do not yet have information on use on use restrictions. They will be included in this safety data sheet when available.

1.3. Details of the supplier of the safety data sheet

Company : cosmondial GmbH & Co. KG

Addressee : Industriestraße 23b
DE – 63834 Sulzbach am Main

Telephone : 06028 998 78 0

Fax : 06028 998 78 19

E-mail address : info@cosmondial.de

1.4. Emergency telephone number

Emergency Telephone : Please call your local Poison Center

2. HAZARDS IDENTIFICATION

2.1. Classification of the mixture

Classification according to regulation (EC) No 1272/2008

Hazard class	Hazard category	Hazard statements
Flamm. Liq. (Flammable liquids)	Category 2	H225
Eye irrit. (Eye irritation)	Category 2	H319
STOT SE (Specific Target Organ Toxicity –	Category 3	H336

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET
According 1907/2006 (REACH) and (EC) N° 1272/2008

Single Exposure)		
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For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Hazard symbol / Category of danger	Risk phrases
Highly flammable (F)	R11
Irritant (Xi)	R36
	R66
	R67

For the full text of the R-phrases mentioned in this Section, see Section 16.

For further information, in particular on the S-phrases, see Section 16.

Primary route of exposure : Skin or eye contact, inhalation of vapours.

Most important adverse effects



Human Health : See section 11 for toxicological information. No further information available.

Physical and chemical hazards : See section 9 for physicochemical information., No further information available.

Potential environmental effects : See section 12 for environmental information. No further information available.

2.2. Label elements

Labelling according to regulation (EC) N°1272/2008

Hazard symbols : SGH 02  SGH 07 

Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET According 1907/2006 (REACH) and (EC) N° 1272/2008

- : H319 Causes serious eye irritation.
- : H336 May cause drowsiness or dizziness.

Precautionary statements

- | | |
|---|---|
| Prevention | <ul style="list-style-type: none"> : P210 Keep away from heat / sparks / open flames/hot surfaces. - No smoking. : P241 Use explosion-proof electrical / ventilating / light / ... / equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fume/gas/mist/vapours/spray P271 Use only outdoors or in a well-ventilated area P280 Wear protective gloves / protective clothing / eye protection / face protection. |
| Response | <ul style="list-style-type: none"> : P312 Call a POISON CENTER or doctor/physician if you feel unwell P370 + 378 In case of fire: Use chemical powders, carbon dioxide for extinction P305 + 351 + 338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing |
| Storage | <ul style="list-style-type: none"> : P403 + 233 Store in a well ventilated place. Keep container tightly closed |
| Additional Labelling | <ul style="list-style-type: none"> : EUH066 Repeated exposure may cause skin dryness or cracking. |
| Hazardous components which must be listed on the label | <ul style="list-style-type: none"> : Ethyl acetate Nitrocellulose n-Butanol |

2.3. Other hazards

No other information is available.

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET
According 1907/2006 (REACH) and (EC) N° 1272/2008

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is considered dangerous and contains the following hazardous substances:

Name	%	Index CEE	Cas	Einecs	Directives 67/548/EEC		R (EC) No 1272/2008	
					Symbol(s)	Phrase(s) R	Hazard class	Hazard statement
Ethyl Acetate	> 30 < 40	607-022-00-5	141-78-6	205-500-4	F.Xi	11 / 36 / 66 / 67	Flam. Liq. 2 / Eye irrit. 2 / STOT SE 3	H225 / H319 / H336
n-Butyl Acetate	> 1 < 5	607-025-00-1	123-86-4	204-658-1	----	10 / 66 / 67	Flam. Liq. 3 / STOT SE 3	H226 / H336
n-Butanol	> 20 < 30	603-004-00-6	71-36-3	200-751-6	Xn	10 / 22 / 37-38 / 41 / 67	Acute Tox 4 / Skin irrit 2 / Eye Dam 1 / STOT SE 2 / Flam liq 3	H302 / H315 / H318/ H335 / H336 / H226
Nitrocellulose	> 5 < 15	----	9004-70-0	263-069-9	F Xi	11 / 36 / 67	Flam. Liq. 2 / Eye irrit. 2 / STOT SE 3	H225 / H319 / H336
Ethanol	> 5 < 10	603-002-00-5	64-17-5	200-578-6	F	11	Flam. Liq. 2	H225
Propane-2-ol	> 0.5 < 1	603-117-00-0	67-63-0	200-661-7	F.Xi	11 / 36 / 67	Flam. Liq. 2 / Eye irrit. 2 / STOT SE 3	H225 / H319 / H336
Diacetone Alcohol	> 0.5 < 1	603-016-00-1	123-42-2	204-626-7	Xi	36 - 37	Flam. Liq. 3 / Eye irrit. 2 / STOT SE 3	H226 / H319 / H335

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

4. FIRST AID MEASURES

4.1. Description of first aid measures

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET According 1907/2006 (REACH) and (EC) N° 1272/2008

- General advice** : **In general, in case of doubt or if symptoms persist, consult a physician and show the product label or this MSDS. Never give anything by mouth to a person who is unconscious or likely to become so (state of shock, etc ...)**
- If inhaled : Move to fresh air, keep warm and get medical advice.
If breathing is irregular or stops, give artificial respiration (if possible give oxygen) and contact the local Emergency Services.
- In case of skin contact : Remove soiled clothing, clean affected areas with copious amounts of soapy water. Do not use solvents (thinners ...).
- In case of eye contact : In case of contact with eyes, rinse immediately with fresh water for 15 minutes holding eyelids open.
Refer the victim to an ophthalmologist immediately and show the product label or this MSDS; this should be treated as an emergency in case of symptoms (redness, pain, visual problems).
- If swallowed : If quantity is small (less than a mouthful), rinse mouth with water. DO NOT induce vomiting. In all cases, seek medical attention.

4.2. Most important symptoms and effects associated with exposure

- If inhaled : Possible drowsiness and dizziness. Risk of respiratory problems.
- In case of skin contact : Redness, pain. The skin absorbs part of the ingredients of this product. Can cause dry or chapped skin.
- In case of eye contact : Redness, watering, blurred vision. Risk of irritant effect on eyes.
- If swallowed : Health risk even in small quantities. Product should not come into contact with foodstuffs.

4.3. Indication of immediate medical attention and special treatment needed

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET According 1907/2006 (REACH) and (EC) N° 1272/2008

Treatment : Treat symptomatically.
No further information available.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

For minor fires : Chemical powders, carbon dioxide and other extinguishing gases may be suitable for minor fires.

Recommended : Special foam for polar liquids.

To avoid : Water without additives.

5.2. Special hazards arising from the mixture

Specific hazards during fire fighting : Fire often produces a dense black smoke and vapours (may be invisible) heavier than air and spread along ground.

Exposure to decomposition products (such as carbon monoxide or dioxide) constitutes a serious health hazard.

Do not inhale smoke.

Vapours may form explosive mixtures with air.

5.3. Advice for firefighters

Special protective equipment : Self-contained breathing apparatus to protect against toxic gases produced by thermal decomposition.

Wear appropriate body protection (full protective suit)

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET
According 1907/2006 (REACH) and (EC) N° 1272/2008

Further information : Use water to keep the containers exposed to fire cool.
 Heating will cause a pressure rise - with risk of bursting.
 Avoid naked flames or other sources of ignition in areas where product is used.
 Protect electrical equipment (risk of explosive zones).
 Dry residue stay highly flammable (contain nitrocellulose).
 Exercise caution when fighting any chemical fire.
 Prevent fire-fighting effluent from entering drains, watercourses and/or environment.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : As the product contains organic solvents and other highly inflammable substances, remove all possible sources of ignition and thoroughly ventilate premises. Use personal protective equipment and keep away unprotected persons.
 Do not inhale fumes / gas / vapours / spray. Avoid skin and eye contact.
 See Sections 7 et 8.

6.2. Environmental precautions

Environmental precautions : Prevent product from entering drains or watercourses.
 Avoid subsoil penetration.
 If the product contaminates ground water, rivers or drains (or is likely to do so), notify the relevant authorities, following the statutory procedures.

6.3. Methods and materials for containment and cleaning up

Methods and materials : Clean up any spills as soon as possible, using a non-combustible absorbent material to collect it, for example: sand, earth, vermiculite, diatomic earth.
 Collect material into suitable drums for disposal in accordance with regulations (see Section 13).

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET
According 1907/2006 (REACH) and (EC) N° 1272/2008

It is preferable to clean with detergents, do not use solvents.

6.4. Reference to other sections

For personal protection see section 8.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling : Keep container tightly closed. Ensure adequate ventilation. Use personal protective equipment (see section 8). Avoid contact with the skin the eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. Handle empty containers with care because residual vapours are flammable. Dry residue stay highly flammable (contain nitrocellulose). Avoid naked flames or other sources of ignition in areas where product is used. No smoking. Fumes are heavier than air and they may spread at ground level and form explosive mixtures with air. Avoid the formation of explosive concentrations and concentrations above occupational exposure limits. Do not allow unauthorized persons into areas where product is used.

Technical protective measures : Provide proper grounding. Use only non-sparking tools. Do not use compressed air to either agitate or transfer the contents of storage containers (tanks) / shipping drums containing this material

Avoid build-up of static charges by:

- ensuring that flooring is conductive and keeping it clean,
- ensuring that equipment is earthed during transfer or stirring of the product or preparations containing the product,
- the use of antistatic shoes, clothing and packaging.

Hygiene measure : Keep away from food, drink and animal feedingstuffs.

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET
According 1907/2006 (REACH) and (EC) N° 1272/2008

Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately. Avoid contact with the eyes and the skin. Do not breathe gas / fumes / vapour / spray.

7.2. Conditions for safe storage

Requirements for storage : Store in tightly closed containers, in a cool, dry and well-ventilated place. Unsuitable working materials : various plastics. Keep in an area equipped with solvent resistant flooring.

Keep away from direct sunlight, from heat or sources of ignition – No smoking. The vapour may be invisible, heavier than air and spread along ground. Vapours may form explosive mixtures with air. Take measures to prevent the build up of electrostatic charge. Use only in an area containing explosion proof equipment.

Keep away from food, drink and animal feedingstuffs.

7.3. Specific end uses

No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

OELs (Occupational Exposure Limit values) for Luxembourg		
Component	TLV (Threshold Limit value)	PEL (Permissible Exposure Limit)
Ethyl Acetate	400 ppm / 1.500 mg/m ³	-
Butyl Acetate	150 ppm	-
Isopropyl Alcohol	200 ppm / 500 mg/m ³	-
Diacetone Alcohol	20 ppm / 96 500 mg/m ³	-
n-Butanol	154 mg/m ³	-
Ethanol	200 ppm / 600 mg/m ³	-

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET
According 1907/2006 (REACH) and (EC) N° 1272/2008

8.2. Exposure controls

Engineering measures

Refer to protective measures listed in sections 7 and 8.

Personal protective measures

Respiratory protection : If vapour concentrations exceed the established exposure limits, respiration protection is necessary, wear a gas mask (A-P2) with appropriate cartridge.

Eye protection : Use eye protection (chemical goggles or safety glasses) to avoid splashing.

Hand protection : Use adapted gloves (in accordance with EN 374) to prevent skin contact and possible irritation.

Skin and body protection : Solvent resistant protective clothing.

Ingestion: : When using, do not eat, drink or smoke.

Personal hygiene : Minimize breathing of vapour. Avoid prolonged contact with skin. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Changing of clothes at the end of work.

Environmental exposure controls : Prevent product from entering drains or watercourses. If product contaminates ground water, rivers or drains (or is likely to do so), notify the relevant authorities, following the statutory procedures.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance/form : Translucent liquid, viscous

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET According 1907/2006 (REACH) and (EC) N° 1272/2008

Colour	:	No data available	
Odour	:	Solvent	
Odour Threshold	:	No data available	
pH	:	Not applicable	
Freezing point	:	No data available	
Boiling Point/Range (°C)	:	> 77 °C	
Flash Point (°C)	:	< 21 °C	
Evaporation rate	:	No data available	
Flammability (solid, gas)	:	Formation of explosive air/vapour mixtures is possible	
Explosive Limits % Vol	:	lower	upper
Ethyl Acetate		2,1	11,5
Butyl Acetate		1,2	7,5
Isopropyl Alcohol		2	12
n-Butanol		1.4	11.3
Vapour pressure	:	No data available	
Relative vapour density	:	No data available	
Density	:	0,95 - 1,05 gr/cm ³ at 20 °C	
Water solubility	:	Not miscible.	
Partition coefficient : n-octanol/water	:	No data available	
Ignition temperature	:	No data available	
Thermal decomposition	:	No data available	
Viscosity at 25°C (mpas)	:	Variable	
Explosive properties	:	No data available	
Oxidizing properties	:	No data available	

9.2. Other information

No further information available.

10. STABILITY AND REACTIVITY

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET According 1907/2006 (REACH) and (EC) N° 1272/2008

10.1. Reactivity

Reactivity : No information available.

10.2. Chemical stability

Chemical stability : No decomposition and stable if stored and applied as directed and under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : No information available..

10.4. Conditions to avoid

Conditions to avoid : Heat, flames, sparks, static charges and direct sunlight. Unsuitable working materials: various plastics. Sensitive to air. Explosible with air in a vaporous/gaseous state.

10.5. Incompatible materials

Materials to avoid : Alkali metals, strong acids / alkalis, fluorine, hydrides, strong oxidizing agents, water with air and light.

10.6. Hazardous decomposition products

Hazardous products : Thermal decomposition may liberate carbon oxides and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicity	Value	Method	Result
Oral acute toxicity	> 2000 mg / kg	Additivity formula	No acute toxicity
Inhalation acute toxicity	> 20 mg / l	Additivity formula	

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET
According 1907/2006 (REACH) and (EC) N° 1272/2008

Dermal acute toxicity	> 2000 mg / kg	Additivity formula	
Eyes irritation	Irritating	Bridging principle	Eye irrit. Cat. 2
Skin irritation	No irritating	Bridging principle	No skin irrit.
Sensitisation	No sensitisation	Bridging principle	No Sensitisation
Specific target organ toxicity after single exposure	May cause drowsiness and dizziness	Bridging principle	STOT SE Cat. 3

Most important symptoms and effects associated with exposure

- If inhaled : Possible drowsiness and dizziness. Risk of respiratory problems.
- In case of skin contact : Redness, pain. The skin absorbs part of the ingredients of this product. Can cause dry or chapped skin.
- In case of eye contact : Redness, watering, blurred vision. Risk of irritant effect on eyes.
- If swallowed : Health risk even in small quantities. Product should not come into contact with foodstuffs.

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

Exposure to levels above the values under Section 8, or regular exposure even if levels are lower, of vapours from solvents present in the preparation may be harmful for health; the effects through inhalation of the vapours and/or contact with skin on long or short time are:

- Irritation of mucous membranes and respiratory tract, renal, liver and central nervous system,
- Affections,
- Symptoms include headaches, dizziness, fatigue, muscular asthenia and, in extreme cases,
- Unconsciousness.

Prolonged or repeated skin contact can lead to defatting, provoking non-allergic contact dermatitis and absorption of product through the skin. A regular medical follow-up is necessary.

Version: n°2 (09/05/2018)

Product name: Base 18037

<p style="text-align: center;">MATERIAL SAFETY DATA SHEET According 1907/2006 (REACH) and (EC) N° 1272/2008</p>
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12. ECOLOGICAL INFORMATION

12.1. Toxicity

LC50 >60mg/L (fish)

EC50 >170ml/L (daphnia)

12.2. Persistence and degradability

Biodegradable

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

Remarks : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.
Risk of formation of explosive vapours above water surface.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product : Avoid release to the environment or drains.
Disposal together with normal waste is not allowed.
Dispose of this product at hazardous or special waste collection point or give to an agreed waste collector / transporter for elimination or treatment.
Dispose in a safe manner in accordance with local regulations.

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET
According 1907/2006 (REACH) and (EC) N° 1272/2008

Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Do not burn, or use a cutting torch on, the empty drum. Risk of explosion.

Container : Empty containers /drums for storage or transport before giving to an agreed collector. Keep label (Flame, Class 3) on the container and dispose of it as hazardous waste.

14. TRANSPORT INFORMATION

14.1. UN number

1263

14.2. UN proper shipping name

ADR : PAINT RELATED MATERIAL

RID : PAINT RELATED MATERIAL

IMDG : PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR-Class : 3
 (Labels ; Classification Code ; Hazard identification N° ; Tunnel restriction code) 3 ; F1 ; 33 ; 2 (D / E)

RID-Class : 3
 (Labels ; Classification Code ; Hazard identification N°) 3 ; F1 ; 33

IMDG-IMCO Code : 3.1
 (EmS ; Flashpoint) F-E, SE ; 9°C

IATA / IACO Label : Flammable liquid

14.4. Packaging group

ADR : II

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET
According 1907/2006 (REACH) and (EC) N° 1272/2008

RID : II

IMDG : II

IATA / IACO : II

14.5. Environmental hazards

No information available

14.6. Special precautions for user

No information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

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

Other regulation : Occupational restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EC on the protection of young people at work.

Regulatory List	Ethyl acetate		n-butyl acetate		Propan-2-ol		Diacetone Alcohol	
	Notif.	Notif. number	Notif.	Notif. number	Notif.	Notif. number	Notif.	Notif. number
AICS	YES		YES		YES		YES	
DSL	YES		YES		YES		YES	
INV (CN)	YES		YES		YES		YES	
ENCS (JP)	YES	(2)-726	YES	(2)-731	YES	(2)-207	YES	(2)-587
JEX (JP)	YES	(2)-726			YES	(2)-207	YES	(2)-587
ISHL (JP)	YES	(2)-726	YES	(2)-731	YES	(2)-207	YES	(2)-587
ISHL (JP)			YES	2-(6)-226	YES	2-(8)-319	YES	2-(8)-285
NZ CLSC					YES			
TSCA	YES		YES		YES		YES	
EINECS	YES	205-500-4	YES	204-658-1	YES	200-661-7	YES	204-626-7
KECI (KR)			YES	KE-04179	YES	KE-29363	YES	KE-20675

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET According 1907/2006 (REACH) and (EC) N° 1272/2008

PICCS (PH)			YES		YES		YES	
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15.2. Chemical Safety Assessment

No information available.

16. OTHER INFORMATION**Full symbols referred to under sections 2 and 3**

EU Directives 67/548/EEC or 1999/45/EC

Xi	:	Irritant
F	:	Highly flammable
N	:	Dangerous for environment

Regulation (EC) No 1272/2008

SGH 02	:	Flame
SGH 07	:	Exclamation mark

Full text of R-phrases referred to under sections 2 and 3

R Phrases

R11	:	Highly flammable.
R36	:	Irritating to eyes.
R36 / 37	:	Irritating to eyes and respiratory system.
R51/53	:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R66	:	Repeated exposure may cause skin dryness or cracking.
R67	:	Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3

H Statements

H319	:	Causes serious eye irritation.
H225	:	Highly flammable liquid and vapour.
H226	:	Flammable liquid and vapour.
H335	:	May cause respiratory irritation.
H336	:	May cause drowsiness or dizziness.

Further information on the S-phrases

S Phrases

S9	:	Keep container in a well-ventilated place.
S16	:	Keep away of sources of ignition - No smoking.

Version: n°2 (09/05/2018)

Product name: Base 18037

MATERIAL SAFETY DATA SHEET According 1907/2006 (REACH) and (EC) N° 1272/2008

- S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S27 : Take off immediately all contaminated clothing.
- S29 : Do not empty into drains.
- S33 : Take precautionary measures against static discharges.
- S37/39 : Wear protective gloves and eye/face protection.
- S43 : In case of fire, use special foam for polar liquids or chemical powders, carbon dioxide. Never use water.
- S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

The contents and format of this MSDS are in accordance with regulation (EC) N° 1272/2008 and the regulation (EC) N° 1907/2006.

DISCLAIMER OF LIABILITY The information contained in this Material Safety Data Sheet was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Department issuing data specification sheet: EHS Department

Approved: Laboratory

End of document