Safety Data Sheet

Varybond Regular Grade

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Varybond Regular Grade

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

Use of the substance/mixture

Lubricants, greases, release products

Uses advised against

Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

Company name:	ITW LLC & Co. KG
Street:	Am Eichenbach 14
Place:	D-73054 Eislingen/Fils
Telephone:	+49 800 6273002
E-mail:	skrautmann@itwindustrialsolutions.com
Contact person:	Produktsicherheit Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00 Telephone: ++49 800 6273002
E-mail:	info@itwindustrialsolutions.com
Internet:	www.itwindustrialsolutions.com
Responsible Department:	Produktsicherheit Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00 Deutschland: Vergiftungs-Informations-Zentrale Freiburg 0761 19240 Swiss Toxicological Information Centre - Téléphone : +41 44 251 51 51 (in Switzerland dial 145) United Kingdom : National Poisons Information Service - Phone number : 8448920111 Österreich : Vergiftungsinformationszentrale Vienna - Telefon-Nummer : +43 1 406 43 43 Schweiz : Tox Info Suisse - Telefon-Nummer : +41 44 251 51 51 España : Instituto Nacional de Toxicología - Teléfono : +34 91 562 04 20 România (Romania): Spitalul de Urgenta Floreasca 021 230 8000 CAV “Ospedale Pediatrico Bambino Gesù” – Roma Tel. (+39) 06.6859.3726 CAV “Azienda Ospedaliera Università di Foggia” – Foggia Tel. 800.183.459 CAV “Azienda Ospedaliera A. Cardarelli” – Napoli Tel. (+39) 081.545.3333 CAV Policlinico “Umberto I” – Roma Tel. (+39) 06.4997.8000 CAV Policlinico “A. Gemelli” – Roma Tel. (+39) 06.305.4343 CAV Azienda Ospedaliera “Careggi” U.O. Tossicologia Medica – Firenze Tel. (+39) 055.794.7819 CAV Centro Nazionale di Informazione Tossicologica – Pavia Tel. (+39) 0382.24.444 CAV Ospedale Niguarda – Milano Tel. (+39) 02.66.1010.29 CAV Azienda Ospedaliera Papa Giovanni XXIII – Bergamo Tel. 800.88.33.00 CAV Centro antiveleni Veneto – Verona Tel. 800.011.858 Slovakia: National Toxicological Information Centre Bratislava +421 2 5465 2307 Czech Republic: Ministry of Health of the Czech Republic Chemical Substances and Biocidal Products Unit +420 267 082 236 Center in Prague for the Czech Republic (+420 224 91 92 93) Slovakia: National Toxicological Information Centre Bratislava +421 2 5465 2307 Myrkytystietokeskus/HUS 0800 – 147111/ 09-471977

1.4. Emergency telephone number:

Deutschland: ++49 800 6273002
Swiss Toxicological Information Centre (in Switzerland dial 145)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No 1272/2008

Signal word: Danger

Pictograms:



Hazard statements

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P391 Collect spillage.

P501 Dispose of contents/container to an appropriate recycling or disposal facility.

P273 Avoid release to the environment.

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
1314-13-2	zinc oxide			2,5-10 %
	215-222-5	030-013-00-7	01-2119463881-22	
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			
	Copper pigments			2,5-7 %
	231-159-6		01-2119480154-42	
	Flam. Sol. 2, Aquatic Acute 1, Aquatic Chronic 1; H228 H400 H410			
7429-90-5	aluminium powder (stabilised)			2,5-10 %
	231-072-3	013-002-00-1	01-2119529243-45	
	Flam. Sol. 1, Water-react. 2; H228 H261			
68457-79-4	Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts			<1%
	270-608-0			
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2; H315 H318 H411			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
1314-13-2	215-222-5	zinc oxide	2,5-10 %
	oral: LD50 = > 5000 mg/kg		
	231-159-6	Copper pigments	2,5-7 %
	inhalation: LC50 = 0,7 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 400 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No special measures are necessary. In all cases of doubt, or when symptoms persist, seek medical advice.

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If swallowed, immediately drink: Water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed

No data available

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Extinguishing powder. Carbon dioxide (CO2). Foam.

Unsuitable extinguishing media

Water. Water with tenside additive.

5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Co-ordinate fire-fighting measures to the fire surroundings.

Additional information

Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains. In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Wear personal protection equipment. Remove all sources of ignition.

For emergency responders

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6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Special danger of slipping by leaking/spilling product. Avoid contact with eyes and skin.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Advice on general occupational hygiene

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. .

Further information on handling

When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Observe in addition any national regulations!

Hints on joint storage

Observe in addition any national regulations!

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.
storage temperature: + 10°- + 30 C°

7.3. Specific end use(s)

Lubricant, lubrifiants and release products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
7429-90-5	Aluminium metal, respirable dust	-	4		TWA (8 h)	WEL

Additional advice on limit values

No data available

8.2. Exposure controls





Appropriate engineering controls

Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses. EN 166

Hand protection

EN ISO 374 Tested protective gloves are to be worn: Butyl rubber. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Personal protection equipment

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Environmental exposure controls

Clean contaminated articles and floor according to the environmental legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste
Colour:	dark grey
Odour:	characteristic
Odour threshold:	No data available

		Test method
Flammability:		ISO 10156
Flash point:	210 °C	

Solubility in other solvents

No data available

Density:	1,21 g/cm³

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

No data available

Oxidizing properties

No data available

Further Information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Protect from moisture.

10.5. Incompatible materials

Do not mix with acids. Do not mix with alkali.

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1314-13-2	zinc oxide				
	oral	LD50 > 5000 mg/kg	Rat	IUCLID	
	Copper pigments				
	oral	LD50 400 mg/kg	Ratte	ECHA	
	dermal	LD50 >2000 mg/kg	Ratte	ECHA	
	inhalation (4 h) dust/mist	LC50 0,7 mg/l	Ratte	ECHA	

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.
No data available

Sensitising effects

Based on available data, the classification criteria are not met.
not sensitising.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
No data available

STOT-single exposure

Based on available data, the classification criteria are not met.
No data available

STOT-repeated exposure

Based on available data, the classification criteria are not met.
No data available

Aspiration hazard

Based on available data, the classification criteria are not met.

Information on likely routes of exposure

No data available

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience

No data available

11.2. Information on other hazards

Other information

No data available

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Keine zusätzlichen Informationen vorhanden, No additional information available

12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40 °C). It contains relatively few normal paraffins.] (64742-52-5)

12.4. Mobility in soil

Keine zusätzlichen Informationen vorhanden, No additional information available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
No data available

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.
No data available

12.7. Other adverse effects

No data available

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats; hazardous waste

List of Wastes Code - contaminated packaging

200139 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); Plastics

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	UN3077
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinkoxid)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9



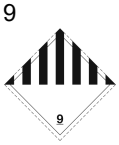
Classification code:	M7
Special Provisions:	274 335 601
Limited quantity:	5 kg
Transport category:	3
Hazard No:	90
Tunnel restriction code:	E

Other applicable information (land transport)

E1

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN3077
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc oxide)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9



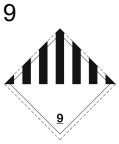
Classification code:	M7
Special Provisions:	274 601
Limited quantity:	5 kg

Other applicable information (inland waterways transport)

E1

Marine transport (IMDG)

14.1. UN number or ID number:	UN3077
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc oxide)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9



Special Provisions:	274, 335
Limited quantity:	5 kg
EmS:	F-A, S-F

Other applicable information (marine transport)

E1

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN3077

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Zinc oxide)

14.3. Transport hazard class(es): 9

14.4. Packing group: III

Hazard label: 9



Special Provisions:	A97 A158 A179
Limited quantity Passenger:	30 kg G
IATA-packing instructions - Passenger:	956
IATA-max. quantity - Passenger:	400 kg
IATA-packing instructions - Cargo:	956
IATA-max. quantity - Cargo:	400 kg

Other applicable information (air transport)

E1

: Y956

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Marine pollutant: Yes

14.6. Special precautions for user

No data available

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 40

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

SECTION 16: Other information

Abbreviations and acronyms

Water-react. 2: Substances and mixtures which in contact with water emit flammable gases, hazard category 2
Flam. Sol. 1: Flammable solids, hazard category 1
Flam. Sol. 2: Flammable solids, hazard category 2
Skin Irrit. 2: Skin irritation, hazard category 2
Eye Dam. 1: Serious eye damage, hazard category 1
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2

Relevant H and EUH statements (number and full text)

H228 Flammable solid.

H261	In contact with water releases flammable gases.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)