

Safety Data Sheet

Compalox® AN/V-801; Compalox® AN/V-802; Compalox® AN/V; Compalox® AN/V-812; Compalox® AN/V-813; Compalox® AN/V-825; Compalox® AN/V-827; Compalox® AN/V-850; Compalox® AN/V-800; Compalox® AN/V-005

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 COMMISSION REGULATION (EU) No. 2020/878

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

1.1. Product identifier

Product Name: Compalox® AN/V-801; Compalox® AN/V-802; Compalox® AN/V; Compalox®

AN/V-812; Compalox® AN/V-813; Compalox® AN/V-825; Compalox® AN/V-827;

Compalox® AN/V-850; Compalox® AN/V-800; Compalox® AN/V-005

Chemical Name Substance : Al₂O₃ Al₂O₃

Pure substance/mixture Substance

Chemical Name	CAS Number	EC No	EU REACH registration number	(CLP) Regulation (EC 1272/2008)	Weight-%
Aluminum oxide	1344-28-1	215-691-6	01-2119529248-35- xxxx 01-2119529248-35- 0017		>99

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

Recommended Use Abrasive Adsorbent(s) Catalyst Filler Chemical industry (raw material for the

production of other aluminium compounds), etc.

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Manufacturer MARTINSWERK GmbH

Kölner Strasse 110 50127 Bergheim

Germany: +49-2271-90.22.78 Fax.: +49-2271-90.27.17

Internet www.hubermaterials.com

E-mail hubermaterials@huber.com

1.4. Emergency telephone

number

CHEMTREC: +1 800 424 9300 or International +1 703 527 3887

Poison control center phone

number

National Anti-Poison Center UK: +44 844 892 0111 (National Poisons

Information Service)

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

(CLP) Regulation (EC 1272/2008) Not classified

Hazards identification

Physical Hazard Not classified

Health Hazards Not classified

Environmental Hazard Not classified

2.2. Label elements

Symbols/Pictograms None

Signal Word None

Hazard Statements This product is not classified as hazardous according to the UN GHS guideline

and labeling is not required

This material is not considered hazardous by the OSHA Hazard Communication

Standard (29 CFR 1910.1200)

Precautionary Statements

Prevention Employ good industrial hygiene practice

Wash hands thoroughly after handling

Response 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

Storage Keep in a dry place

Store away from incompatible materials

Disposal Disposal should be in accordance with applicable regional, national and local laws

and regulations.

Additional Information: None.

2.3. Other hazards No information available.

SECTION 3: Composition/information on ingredients

3.1. Substance Substance

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			registration number	(EC 1272/2008)		
Aluminum oxide	1344-28-1	215-691-6	01-2119529248-35	Not classified	-	>99
			-xxxx			
			01-2119529248-35			
			-0017			

SECTION 4: First aid measures

4.1. Description of first aid measures

General Advice When in doubt or if symptoms are observed, get medical advice. Ensure that

medical personnel are aware of the material(s) involved and take precautions to

protect themselves.

Eye Contact In case of eye contact, remove contact lens and rinse immediately with plenty of

water, also under the eyelids, for at least 15 minutes.

Skin Contact Wash with plenty of soap and water.

Inhalation If breathing is difficult, remove victim to fresh air and keep at rest in a position

comfortable for breathing.

Ingestion Rinse mouth thoroughly with water.

Aspiration hazard Not an expected route of exposure.

Notes to Physician Treat symptomatically.

4.2. Most important symptoms and effects, both acute and

medical attention and special

delayed

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can

cause mechanical irritation or drying of the skin.

4.3. Indication of any immediate Treatment should be symptomatic and supportive.

treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing

Media

Not combustible. Use extinguishing agent suitable for type of surrounding fire. Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO2).

Unsuitable Extinguishing Media

None known.

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5.2. Special hazards arising from the substance or mixture

None known.

5.3. Advice for firefighters

Special protective

equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-fighting measures

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protection recommended in Section 8.

Avoid dust formation. Keep unauthorized personnel away.

For non-emergency personnel Keep unauthorized personnel away.

For emergency responders Keep unauthorized personnel away. Use personal protection recommended in

Section 8.

6.2. Environmental precautions Avoid runoff to waterways and sewers.

6.3. Methods and material for Methods for Containment : Prevent further leakage or spillage if safe to do so

containment and cleaning up Methods for Clean-up : Sweep up and shovel into suitable containers for disposal

6.4. Reference to other sections Section 8: Exposure controls and personal protection. See Section 13 for

additional waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe

handling

Minimize dust generation and accumulation

Provide local exhaust ventilation

Handle in accordance with good industrial hygiene and safety practice

7.2. Conditions for safe storage, Store away from incompatible materials **including any incompatibilities** Keep container tightly closed and dry

7.3. Specific end use(s)No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Occupational exposure limits

Aluminum oxide

Finland

France

Hungary

ACGIH TWA: 10 mg/m³

OSHA TWA: 15 mg/m³ total dust

TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m3 total dust

(vacated) TWA: 5 mg/m3 respirable fraction

NIOSH Not established

Austria TWA: 5 mg/m³ respirable fraction, smoke STEL: 10 mg/m3 respirable fraction, smoke Austria

Belgium TWA: 1 mg/m³

TWA: 1.5MGM3; Respirable fraction. Bulgaria

10.0MGM3;Dust.

TWA: 10 mg/m3 total dust Croatia

> 4 mg/m³ respirable dust TWA: 10.0 mg/m³ dust

Czech Republic Denmark TWA: 5 mg/m3 total 2 mg/m³ respirable

Estonia TWA: 10 mg/m³ total dust

4 mg/m³ respirable dust TWA: 2 mg/m³ Al VME/VLE: 10MGM3

Germany DFG MAK: 8-hr TWA: 4 mg/m³: haltige Stäube (alveolengängige Fraktion)[4 mg/m³:

inhalable dust fraction]

1.5 mg/m³ haltige Stäube (einatembare Fraktion)[1.5MGM3 : respirable dust fraction]

TRGS 900 limit: 3 mg/m³: respirable; 10MG/M3 inhalable

TWA: 10 mg/m³ inhalable fraction Greece

> 5 mg/m³ respirable fraction TWA: 6 mg/m³ respirable dust TWA: 10 mg/m3 total inhalable dust

Ireland 4 mg/m³ respirable dust Ireland

30 mg/m³ total inhalable dust 12 mg/m3 respirable dust

TWA: 1MGM3; Respirable. Italy

Latvia TWA: 6 mg/m³ disintegration aerosol TWA: 5 mg/m³ Al inhalable fraction Lithuania

2 mg/m³ Al respirable fraction

Netherlands MAC TWA: 10 mg/m³ TWA: 10 mg/m³ Norway STEL: 10 mg/m³ Norway

TWA: 2.5 mg/m³ inhalable fraction Poland

1.2 mg/m³ respirable fraction

Portugal TWA: 10 mg/m³ particulate matter containing no Asbestos and <1% Crystalline silica

Romania TWA: 2 mg/m³ aerosol

> 3 ma/m³ 1 ma/m³

Romania STEL: 5 mg/m3 aerosol

> 10 mg/m³ dust 3 mg/m³ fume

TWA: 1.5 mg/m³ fume Slovakia

1.5 mg/m³

0.1 mg/m³ respirable fraction 6 mg/m³ total aerosol

Spain TWA: 10 mg/m³

TWA: 5 mg/m³ total dust Sweden

2 mg/m3 respirable dust

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Switzerland TWA: 3 mg/m³ respirable dust, smoke **Switzerland** STEL: 24 mg/m³ respirable dust, smoke

United Kingdom TWA: 10 mg/m³ inhalable dust 4 mg/m³ respirable dust

Recommended monitoring

procedures

Refer also to national guidance documents for information on currently

recommended monitoring procedures

Biological Limit Values None

DNEL/DMEL and PNEC values

DNEL (Derived No Effect Level)

Aluminum oxide

Worker - inhalative,	3 mg/m³
long-term - systemic	
Consumer - oral, long-term -	6.22 mg/kg bw/d
systemic	

Aluminum oxide

Sewage treatment plant	20 mg/l	

8.2. Exposure controls

Engineering Measures Do not handle until all safety precautions have been read and understood

Ensure adequate ventilation, especially in confined areas

Provide a good standard of controlled ventilation (10 to 15 air changes per hour) Use exhaust ventilation to keep airborne concentrations below exposure limits

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection Wear suitable protective clothing.

Hand protection For operations where prolonged or repeated skin contact may occur, impervious

gloves should be worn. Wear suitable gloves tested to EN 374.

Respiratory Protection When workers are facing concentrations above the exposure limit they must use

appropriate certified respirators.

Recommended filter type:

(FFP2) (FFP3)

Thermal hazards None known.

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Hygiene Measures Follow general hygiene considerations recognized as common good workplace

practices

The worker should wash daily at the end of each work shift, and prior to eating,

drinking, smoking, etc

Environmental Exposure

Controls

Dispose of in accordance with local regulations

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical State Solid Granules

Color White Odor Odorless

Odor Threshold No information available

pH: Not available Melting point / Freezing point 2045 °C / 3713 °F

Boiling Point / Boiling Range 2980 °C / 5396 °F (1013 hPa)

Freezing Point Not applicable

Flash Point Not applicable Product/Substance is inorganic Solid

Evaporation Rate Not applicable. Melting Point : > 300°C

Flammability (solid, gas) No information available

Upper flammability limit: --Lower flammability limit: ---

Vapor Pressure 1 hPa (2158 °C) Vapor Density Not applicable

Melting Point : > 300°C

Density
No data available

Relative Density
4 g/cm3 (20°C)

Water Solubility Insoluble

Solubility in other solvents No information available

Partition coefficient No information available Not applicable : Product/Substance is inorganic

Autoignition Temperature

No data available
No information available
No data available
No information available

Viscosity No information available.

Kinematic viscosity

Dynamic viscosity

Not applicable
Not applicable Solid

Explosive Properties None **Oxidizing Properties** None

Particle Size No information available

VOC Content (%) Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

Not applicable

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SECTION 10: Stability and reactivity

10.1. Reactivity No data available

10.2. Chemical stability Stable under normal conditions

10.3. Possibility of hazardous

reactions

None under normal processing

10.4. Conditions to avoid Incompatible materials Dust formation Decomposition Temperature : Al₂O₃ Water

10.5. Incompatible materials Strong acids

10.6. Hazardous decomposition None known

products

SECTION 11: Toxicological information

General Information Users are advised to consider national Occupational Exposure Limits or other

equivalent values.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Aluminum oxide

Serious eye damage/eye Non-irritant : Rabbit

irritation

Skin Corrosion/Irritation Non-irritant : Rabbit

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

Reproductive Effects No indication of effects on fertility.

No indication of effects on developmental toxicity.

Target Organ Effects Lungs

Specific target organ toxicity May cause respiratory irritation

- Single exposure

Specific target organ toxicity May cause damage to organs through prolonged or repeated exposure if inhaled

- Repeated exposure Lungs

Acute Toxicity Al₂ O₃

Repeated dose toxicity Inhalation 28-d Rat NOAEL (No observed adverse effect

level) 70 mg(Al)/m³. Target Organs Lungs Respiratory system

Repeated dose toxicity 1- Year Oral Rat NOAEL (No observed adverse effect

level) >=30 mg Al/kg bw

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Respiratory SensitizationBased on available data, the classification criteria are not met

Serious eye damage/eye Non-irritant : Rabbit

irritation Draize Test Guinea pig: No sensitization responses were observed

Skin Corrosion/Irritation Non-irritant : Rabbit

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

Reproductive EffectsBased on available data, the classification criteria are not met.

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

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed

by OSHA, IARC or NTP.

Target Organ Effects Lungs.

Specific target organ toxicity -

Single exposure

No information available.

Specific target organ toxicity -

Repeated exposure

No information available.

Information on Likely Routes of Exposure

Inhalation Do not breathe dust

Ingestion Ingestion is not a likely route of exposure

Skin Avoid prolonged or repeated contact with skin

Contact with dust can cause mechanical irritation or drying of the skin

Eyes Avoid contact with eyes

Dust contact with the eyes can lead to mechanical irritation

Aspiration hazard Not an expected route of exposure.

11.2. Information on other hazards

11.2.1. Endocrine disrupting This product does not contain any known or suspected endocrine disruptors

properties

11.2.2. Other information Not applicable

SECTION 12: Ecological information

12.1. Toxicity Not considered to be harmful to aquatic life

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Aluminum oxide

WGK Classification (AwSV) 1346 WGK: nwg

12.2. Persistence and

degradability

The methods for determining biodegradability are not applicable to inorganic

substances.

12.3. Bioaccumulative potential Not likely to bioaccumulate.

Bioconcentration factor

(BCF)

No data available.

12.4. Mobility in soil None.

12.5. Results of PBT and vPvB

assessment

This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Endocrine disrupting

properties

This product does not contain any known or suspected endocrine disruptors

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal MethodsDisposal should be in accordance with applicable regional, national and local laws

and regulations.

Contaminated Packaging Empty containers should be taken to an approved waste handling site for recycling

or disposal. Do not reuse container.

Waste codes Waste codes should be assigned by the user based on the application for which

the product was used

Aluminum oxide

WGK Classification (AwSV) 1346 WGK: nwg

SECTION 14: Transport information

Mode of Transportation (Road, Water, Air, Rail)

TDG -Canada Not regulated DOT Not regulated ADR Not regulated IATA Not regulated IMDG/IMO Not regulated

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ICAO Not regulated

14.1. UN number or ID number None

14.2. UN proper shipping name None

14.3. Transport hazard class(es) None

14.4. Packing group None

14.5. Environmental hazards No

14.6. Special precautions for Not applicable

user

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

Global Inventories

Substance Pure substance/mixture

Chemical Name	CAS Number	EC No	Australia (AIIC)	Canada (DSL)	China (IECSC)	Japan	S. Korea (KECL)	Mexico	Thailand (TECI)		Philippine s (PICCS)		TSCA: United States
Aluminum oxide	1344-28-1	215-691-6	Y	Υ	Y	\ / -	KE-01012	Y	55-1-0151	Y	Y	Υ	Α
						(ENCS)(IS HL)			'				

Legend X / Y: Complies ; A: Active ; - / N: Exempt / Not Listed

REACH No.

Aluminum oxide

EU REACH registration number 01-2119529248-35-xxxx 01-2119529248-35-0017 Turkish KKDIK pre-registration 05-0000192736-20-0000

Germany

Very low solubility Not considered to be harmful to aquatic life

Aluminum oxide

WGK Classification (AwSV) 1346 WGK: nwg

15.2. Chemical safety assessment

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A Chemical Safety Assessment has been carried out for this substance

SECTION 16: Other information

Reason for Revision This safety data sheet complies with the requirements of Regulation (EC) No.

1907/2006 & COMMISSION REGULATION (EU) No. 2020/878

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(CLP) Regulation (EC 1272/2008) Not classified

Labeling

Symbols/Pictograms None

Signal Word None

Hazard Statements This product is not classified as hazardous according to the UN GHS guideline

and labeling is not required. This material is not considered hazardous by the

OSHA Hazard Communication Standard (29 CFR 1910.1200).

Training Advice Do not handle until all safety precautions have been read and understood.

Abbreviations and acronyms IARC (International Agency for Research on Cancer)

IUCLID (International Uniform Chemical Information Database) WHMIS (Workplace Hazardous Materials Information System)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

TWA (Time-Weighted Average)

CLP (The Classification, Labeling and Packaging of Substances and Mixtures Regulation (EC

1272/2008))

PPE (Personal Protection Equipment)

NIOSH (National Institute for Occupational Safety and Health)

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)

RQ (Reportable Quantity) (RQ/% in mixture)

STEL (Short Term Exposure Limit) TLV® (Threshold Limit Value) DNEL (Derived No Effect Level)

SVHC (Substances of Very High Concern)
BOD (Biochemical oxygen demand)

COD (Chemical oxygen demand)
ICAO (International Civil Aviation Organization)
IMDG (International Maritime Dangerous Goods)

ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

RID (Agreement Concerning the International Carriage of Dangerous Goods by Rail)

IATA (International Air Transport Association)
IMDG (International Maritime Dangerous Goods)

DOT (Department of Transportation)

TDG (Transport of Dangerous Goods) Canada PNEC (Predicted No Effect Concentration)

SCBA (Self-Contained Breathing Apparatus) Positive Pressure

GHS (Globally Harmonized System)
TSCA (Toxic Substances Control Act)

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Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet