SAFETY DATA SHEET

Cid non P

EU2013

According to EC Directive (EC) No. 1907/2006 (No. 830/2015)

Preparation Date: 12-Mar-2013 **Revision Date:** 28-Sep-2020 **Revision Number:** 0.5

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name Cid non P
Contains Sulfuric acid, Hydroxyacetic acid

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

Recommended use Cleansing agents, acidic
Uses advised against Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Contact Manufacturer
DeLaval N.V.
Industriepark-Drongen 10
9031 Gent
Belgium
Tel. +32 9 280 91 21
Email MSDS.EU@delaval.com

Supplier
DeLaval AS
PO Box 3250
Glynitveien 25
NO-1402 SKI
Norway
Tel 6485 8500

1.4. Emergency Telephone Number

Emergency Telephone Number 112
Eitrunarmiðstöð LSH Sími 543 2222

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to REGULATION (EC) No 1272/2008

For the full text of the H phrases mentioned in this Section, see Section 16

Skin corrosion/irritation	Category 1. Sub-category A (H314)
Serious eye damage/eye irritation	Category 1. (H318)
Physical hazards	Corrosive to Metals. Category 1. (H290)

2.2. Label Elements

Labeling according to REGULATION (EC) No 1272/2008

Signal word DANGER

Hazard statements

H314 - Causes severe skin burns and eye damage
H290 - May be corrosive to metals

Precautionary statements

P102 - Keep out of reach of children
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P314 - Get medical advice/attention if you feel unwell
P501 - Dispose of contents/container in accordance with local regulations

Contains

Sulfuric acid, Hydroxyacetic acid

2.3. Other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixture

Chemical nature of the preparation.

Chemical name	EC No	CAS No.	Weight-%	EU - GHS Substance Classification	Reach Registration Number
Hydroxyacetic acid	201-180-5	79-14-1	10 - 20	Skin corr 1B (H314) Ac tox 4 (H332) Eye dam 1 (H318)	01-2119485579-17
Sulfuric acid	231-639-5	7664-93-9	10 - 20	Skin Corr. 1A (H314) B	01-2119458838-20

For the full text of the H phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

4.1. Description of first-aid measures.

General Advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Eye contact	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing.
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Ingestion	Immediate medical attention is required. Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or Poison Control Center immediately.
Protection of First-aiders	Use personal protective equipment.

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

Acute Effects	Causes burns. Causes severe skin burns and eye damage. Can burn mouth, throat, and stomach.
Delayed Effects	None known.
Effects of overexposure	None known.

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

Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical, Carbon dioxide (CO2), Water spray, alcohol-resistant foam
Extinguishing media which must not be used for safety reasons	None.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating gases and vapours. In the event of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

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

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment.
Other Information	See Section 12 for more information

6.2. Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and materials for containment and cleaning up

Dam up. Soak up with inert absorbent material. Prevent product from entering drains. Keep in suitable and closed containers for disposal.

6.4. Reference to other sections

See Section 12 for more information
For personal protection see section 8

Section 13. Disposal considerations

7. HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Handling Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations Keep away from food, drink and animal feedingstuffs. When using, do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers. Keep away from direct sunlight. Corrosive to metals. Keep away from metals. Incompatible with strong bases and oxidizing agents. Do not store near acids.

German storage class 8A Combustible corrosive substances

7.3. Specific End Use(s)

Exposure Scenario Not applicable

Other Guidelines Not applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical name	EU	United Kingdom	France	Spain	Germany
Sulfuric acid 7664-93-9	IOELV TWA 0.05 mg/m³	WEL TVA: 0.05 mg/m³	TWA: 0.05 mg/m³ STEL: 3 mg/m³	TWA: 0.05 mg/m³	TWA: 0.1 mg/m³ Peak: 0.1 mg/m³ Skin
Chemical name	**Italy**	**Portugal**	**Netherlands**	**Finland**	**Denmark**
Sulfuric acid 7664-93-9	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³	HTP: 0.2 mg/m³ HTP kattoarvo: 1 mg/m³	TWA: 0.05 mg/m³
Chemical name	**Austria**	**Switzerland**	**Poland**	**Norway**	**Ireland**
Sulfuric acid 7664-93-9	STEL: 0.2 mg/m³ TWA: 0.1 mg/m³	KZGW: 0.1 mg/m³ MAK: 0.1 mg/m³	TWA: 0.05 mg/m³	TWA: 0.1 mg/m³	TWA: 0.05 ppm STEL: 0.15 ppm
Chemical name	**Sweden**	**Bulgary**	**Estonia**	**Hungary**	**Croatia**
Sulfuric acid 7664-93-9	LLV: 0.1 mg/m³ STV: 0.2 mg/m³			ÁK-érték: 0.05 mg/m³ (torak)	GVI: 1 mg/m³ KGVI: 3 mg/m³

Chemical name	Lithuania	Latvia	Belgium	European Union
Sulfuric acid 7664-93-9		AER: 1 mg/m³ (8hours)		

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye Protection Safety glasses with side-shields.

Skin Protection Long sleeved clothing. Chemical resistant apron. Boots.

Hand Protection Neoprene gloves

Respiratory Protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In case of insufficient ventilation wear suitable respiratory equipment.

Environmental exposure controls Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state Liquid

Appearance Clear, Colorless

Odor	No information available
Odor Threshold	No information available

Property	*Values*
pH	(1 %) 2
Melting Point/Range	No data available
Boiling Point/Range	No data available
Flash Point	No data available
Vapor Pressure	No data available
Water Solubility	soluble
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive Properties	Not applicable
Oxidizing Properties	Not applicable

9.2. Other Information

Liquid Density	1.108 g/ml

10. STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical Stability

Stability	Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous Polymerization	None under normal processing. Hazardous polymerisation does not occur.
Possibility of hazardous reactions	None under normal use.

10.4. Conditions to Avoid

Extremes of temperature and direct sunlight. Exposure to air or moisture over prolonged periods. To avoid thermal decomposition, do not overheat.

10.5. Incompatible Materials

Incompatible Materials	Incompatible with strong acids and bases, Incompatible with oxidizing agents

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Inhalation	No known significant effects or critical hazards.
Eye contact	Corrosive.
Skin contact	Corrosive.
Ingestion	Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach. Harmful if swallowed.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydroxyacetic acid	= 1950 mg/kg (Rat)		= 3.6 mg/L (Rat) 4 h > 5.2 mg/L (Rat) 4 h

Sulfuric acid	= 2140 mg/kg (Rat)		85 - 103 mg/m³ (Rat) 1 h

Irritation No information available.
Corrosivity Corrosive.
Sensitization No information available.
Mutagenic effects Contains no ingredient listed as a mutagen.
carcinogenic effects None known.
Reproductive Effects None known
Developmental Effects None known
STOT - single exposure No information available
STOT - repeated exposure No information available
Aspiration Hazard No information available

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity effects Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Hydroxyacetic acid		5000: 96 h Brachydanio rerio mg/L LC50 static		
Sulfuric acid		LC50 42 mg/l 96 h		EC50 42.5 mg/L 48 h

12.2. Persistence and degradability

12.3. Bioaccumulative potential.

No information available

Chemical name	Partition coefficient
Hydroxyacetic acid	-1.11

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products Chemical residues are generally classified as hazardous or special waste, and as such are covered by regulations which vary according to location.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

IMDG/IMO

14.1. UN-No 1760
14.2. Proper shipping name 1760 - Corrosive liquid, n.o.s. (Sulfuric acid, Glycolic Acid)
14.3. Hazard Class 8

14.4. Packing Group	III
14.5. Environmental hazard	None
14.6. Special Provisions	None
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	No information available

ADR/RID

14.1. UN-No	1760
14.2. Proper shipping name	1760 - Corrosive liquid, n.o.s (Sulfuric acid, Glycolic Acid)
14.3. Hazard Class	8
14.4. Packing Group	III
14.5. Environmental hazard	None
14.6. Special Provisions	None
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	No information available

IATA/ICAO

14.1. UN-No	1760
14.2. Proper Shipping Name	1760 - Corrosive liquid, n.o.s (Sulfuric acid, Glycolic Acid)
14.3. Hazard Class	8
14.4. Packing Group	III
14.5. Environmental hazard	None
14.6. Special Provisions	None
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	No information available

15. REGULATORY INFORMATION

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

WGK Classification Water endangering class = 1 (self classification)

EU Legislations
Reg.1907/2006-REACH
Reg. 830/2015 That modify REACH
Reg.1272/2008 On classification, packaging and labeling of dangerous substances and preparations
Dir. 2000/39/CE

Regulation (EU) No 2019/1148 on the marketing and use of explosives precursors - Listed in ANNEX I “List of substances, whether on their own or in mixtures or substances that include those substances, for which significant disappearances and thefts are to be reported within 24 hours”: Sulfuric acid (CAS 7664-93-9)

International Inventories
All of the components in the product are on the following Inventory lists: Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Korea (ECL), China (IECSC).

EINECS/ELINCS All components are listed or exempted

Legend
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

15.2. Chemical Safety Assessment
No data available

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3
H290 - May be corrosive to metals

H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H332 - Harmful if inhaled

Key literature references and sources for data
www.ChemADVISOR.com/

Preparation Date: 12-Mar-2013

Revision Date: 28-Sep-2020

Revision Number: 0.5

Revision Note:
Reason for revision Update Section: 15 (EU No 2019/1148)

Some REACH registration numbers given in section 3 are for biocidal active substances and substances of medicinal preparations but are provided as additional information.

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

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15. Regulatory Information

Hættusetningarnar
H314 Veldur alvarlegum bruna á húð og augnskaða
H290 Getur verið ætandi fyrir málma

Varnaðarsetningar
P102 Geymist þar sem börn ná ekki til.
P280 Notið hlífðarhanska/hlífðarfatnað/augnhlífar/andlitshlífar
P303 + P361 + P353 BERIST EFNIÐ Á HÚÐ (eða í hár): Farið strax úr fötum sem óhreinkast af efninu. Skolið húðina með vatni/Farið í sturtu.
P305 + P351 + P338 BERIST EFNIÐ Í AUGU: Skolið varlega með vatni í nokkrar mínútur. Fjarlægið snertilinsur ef það er auðvelt. Skolið áfram
P314 Leitið læknis ef lasleika verður vart.
P501 Fargaðu innihaldi / íláti í samræmi við gildandi reglur