



# SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**10333, 10354 IRON TERMINATOR**

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

Relevant identified uses: rim cleaner.

Uses advised against: not determined.

### 1.3 Details of the supplier of the safety data sheet

Supplier: **Nowy Samochód S.A.**

Address: ul. Zbyszka Cybulskiego 3, 00-725 Warsaw, Poland

Telephone/Fax: +48 602-444-356

E-mail: info@soft99.pl

E-mail address for a competent person responsible for sds: biuro@theta-doradztwo.pl

### 1.4 Emergency telephone number

112

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Acute Tox. 4 H302, Skin Sens. 1 H317**

Harmful if swallowed. May cause an allergic skin reaction.

### 2.2 Label elements

Hazard pictograms and signal words



**WARNING**

Names of substances mentioned on label

Contains: ammonium mercaptoacetate.

Hazard statements

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

Precautionary statements

P102 Keep out of reach of children.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container to properly labeled waste containers in accordance with national regulations.

### 2.3 Other hazards

Substances contained in the product do not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.



# SAFETY DATA SHEET

## Section 3: Composition/information on ingredients

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

#### ammonium mercaptoacetate

Concentration range: 10-20 %  
CAS number: 5421-46-5  
EC number: 226-540-9  
Index number: -  
Registration number: -  
Classification: Acute Tox. 3 H301, Skin Sens. 1 H317, Met Corr. 1 H290

#### 2,2'-iminodiethanol

Concentration range: < 1 %  
CAS number: 111-42-2  
EC number: 203-868-0  
Index number: 603-071-00-1  
Registration number: -  
Classification: Acute Tox. 4 H302, Skin Irrit. 2 H315, Eye Dam 1 H318, STOT RE 2 H373

Full text of each relevant H phrase is given in section 16 of SDS.

## Section 4: First aid measures

### 4.1 Description of first aid measures

Skin contact: take off contaminated clothes. Wash contaminated skin thoroughly with large amount of water and soap. Consult a doctor if disturbing symptoms occur.

Eye contact: contact an ophthalmologist if disturbing symptoms occur. Protect non-irritated eye, remove contact lenses. Rinse contaminated eyes with water for at least 10-15 minutes. Avoid strong stream of water – risk of damage of the cornea.

Ingestion: do not induce vomiting. Call doctor immediately, show SDS or label. In case of spontaneous vomiting, keep the victim's head low to avoid aspiration of vomit into the lungs. Never give anything by mouth to an unconscious person.

Inhalation: consult a doctor, if disturbing symptoms occur. Remove the victim to fresh air. Keep warm and calm.

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

Skin contact: possible redness, dryness, allergic reactions.

Eye contact: possible tearing, redness, burning sensation.

Ingestion: abdominal pain, nausea, vomiting, diarrhoea.

Inhalation: high concentration of vapours may lead to headaches, dizziness and drowsiness.

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

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Symptomatic treatment.



# SAFETY DATA SHEET

## Section 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: extinguishing powder, alcohol resistant extinguishing foam, carbon dioxide, sand.

Adjust extinguishing media to the materials stored in the product vicinity.

Unsuitable extinguishing media: water jet – risk of propagation of flame.

### 5.2 Special hazards arising from the substance or mixture

During combustion harmful gases consisting of carbon oxides, sulphur oxides, nitrogen oxides and other unidentified thermal decomposition products may be produced. Do not inhale combustion products, it may cause health risk.

### 5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Cool endangered containers at a safe distance with a water spray. Do not let extinguishing water to reach drainage system, ground and surface waters.

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Ensure that removing the problem and its results is conducted by a trained personnel only. In case of large spills, isolate the exposed area. Avoid eyes and skin contamination. Wear adequate personal protective equipment. Do not inhale product's vapours. Ensure adequate ventilation. Do not step on the spilled product – risk of slipping.

### 6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

### 6.3 Methods and material for containment and cleaning up

Collect product using liquid binding materials (eg. sand, earth, universal binding substances, silica etc.) and place it in correctly labelled containers. Treat collected material as waste. Clean the contaminated area using a large amount of water and ventilate it.

### 6.4 Reference to other sections

Appropriate conduct with waste product – section 13. Personal protection equipment – section 8.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke during work. Wear personal protective equipment. Avoid eyes and skin contamination. Do not inhale product's vapours. Ensure adequate ventilation. Wash hands before breaks and after work. Keep unused containers tightly sealed. Protect from moisture and high temperature.

### 7.2 Conditions for safe storage, including any incompatibilities

Store only in original, tightly closed containers in a dry, cool and well ventilated place. Keep away from food, foodstuffs, animal feed and incompatible materials (see section 10.5). Opened container should be resealed and stored upright to prevent leakage. Store away from sources of ignition and direct sunlight.

### 7.3 Specific end use(s)

No information about uses other than mentioned in subsection 1.2.



# SAFETY DATA SHEET

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

The product does not have components which are subject to control of exposure in the workplace on the Community level.

Legal basis: Commission Directive 2006/15/EC, 2000/39/EC, 2009/161/EC, 2017/164/EU, 2019/1831/EU.

Please check any national occupational exposure limit values in your country.

### 8.2 Exposure controls

Observe good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Avoid eyes and skin contamination. Avoid inhalation of vapours and aerosols. Ensure adequate general and/or local ventilation to ensure the maintenance of concentrations of hazardous components in the air below the exposure limit values.

#### Hand and skin protection

Use adequate protective gloves. According to the demand wear gloves resistant to solvents or vinyl gloves. In case of short term contact use protective gloves with effectiveness level 2 or higher (permeation time > 30 minutes). In case of long term contact use protective gloves with effectiveness level 6 (permeation time > 480 minutes). Wear protective clothing.

When using protective gloves during work with chemical products, it should be noted that the efficacy levels and corresponding breakthrough times do not indicate actual times of protection at a particular workplace, because the protection can be affected by many factors, e.g. temperature, other substances etc. If there are any signs of degradation, damage or change in appearance (colour, flexibility, shape), it is recommended to replace the gloves with a new pair. Please follow the manufacturer's instructions, not only in terms of gloves' usage, but also in terms of their cleaning, maintenance and storage. It is also important to know how to take off the gloves in order to avoid hands contamination.

#### Eye protection

Use tightly fitting protective glasses if there is a risk of eye contamination.

#### Respiratory protection

Respiratory protection is not required in normal conditions. If the vapours and aerosols are created, use equipment or suitable protection class filter (class 1/protection against gases or vapours with a concentration in the air volume not exceeding 0.1%, class 2 / protection against gases or vapours with a concentration in the air not exceeding 0.5%, class 3 / protect against gases or vapours at concentrations in the air volume to 1%). In cases where the oxygen concentration is  $\leq 19\%$  and / or maximum concentration of toxic substances in the air is  $\geq 1.0\%$  by volume breathing apparatus should be used.

Personal protective equipment must meet requirements of Regulation 2016/425/EU. Employer is obliged to ensure equipment adequate to activities carried out, with quality demands, cleaning and maintenance.

#### Environmental exposure controls

Avoid release to the environment, do not enter the sewage system. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |                               |
|--|-------------------------------|
| physical state:                          | liquid                        |
| colour:                                  | colourless                    |
| odour:                                   | characteristic                |
| odour threshold:                         | not determined                |
| pH:                                      | 7,5 ± 0,5                     |
| melting point/freezing point:            | not determined                |
| initial boiling point and boiling range: | 100 °C                        |
| flash point:                             | not determined, not flammable |
| evaporation rate:                        | not determined                |



# SAFETY DATA SHEET

|   |                     |
|---|---------------------|
| flammability (solid, gas):                    | not applicable      |
| upper/lower flammability or explosive limits: | not applicable      |
| vapour pressure:                              | not determined      |
| vapour density:                               | not determined      |
| density:                                      | 1,067 ±0,02 (25 °C) |
| solubility(ies):                              | soluble in water    |
| partition coefficient: n-octanol/water:       | not determined      |
| auto-ignition temperature:                    | not determined      |
| decomposition temperature:                    | not determined      |
| explosive properties:                         | not display         |
| oxidising properties:                         | not display         |
| dynamic viscosity:                            | not determined      |

## 9.2 Other information

No additional test results.

## Section 10: Stability and reactivity

### 10.1 Reactivity

Product is reactive. It does not undergo hazardous polymerization. See also subsection 10.3-10.5.

### 10.2 Chemical stability

The product is stable during handling and storage.

### 10.3 Possibility of hazardous reactions

Not known.

### 10.4 Conditions to avoid

Avoid direct sunlight, sources of heat and fire.

### 10.5 Incompatible materials

Strong oxidizing agents, acids, bases.

### 10.6 Hazardous decomposition products

There are no hazardous decomposition products when product is stored and used as recommended.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the experience and knowledge of the manufacturer.

#### Toxicity of components

2,2'-iminodiethanol [CAS 111-42-2]

LD<sub>50</sub> (oral, rat) 780 - 12 760mg/kg

LD<sub>50</sub> (skin, rabbit) 13 000 mg/kg

#### Toxicity of mixture

##### Acute Toxicity

ATE<sub>mix</sub> value was calculated using relevant converted acute toxicity point estimate included in 3.1.2 table from Regulation 1272/2008/EC as amended.

ATE<sub>mix</sub> (oral) 500 mg/kg

Harmful if swallowed.

##### Skin corrosion/irritation

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

### Serious eye damage/irritation

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

### Respiratory or skin sensitization

May cause an allergic skin reaction.

### 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.

### STOT-single exposure

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

### STOT-repeated exposure

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

### Aspiration hazard

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

## Section 12: Ecological information

### 12.1 Toksyczność

#### Toxicity of components

##### 2,2'-iminodiethanol [CAS 111-42-2]

Toxicity for Daphnia LC<sub>50</sub>/48h 2,15 mg/l (*Daphnia magna*)

#### Toxicity of mixture

Product is not classified as hazardous for the environment.

### 12.2 Persistence and degradability

No data.

### 12.3 Bioaccumulative potential

No data.

### 12.4 Mobility in soil

Mobility of components of the mixture depends on the hydrophilic and hydrophobic properties and biotic and abiotic conditions of soil, including its structure, climatic conditions, seasons and soil organisms.

### 12.5 Results of PBT and vPvB assessment

Substances contained in the product do not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

### 12.6 Other adverse effects

Product is not classified as hazardous to the ozone layer. Consider other harmful effects of individual components of the mixture on the environment (eg, endocrine disrupting potential, global warming potential).

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal methods for the mixture: disposal in accordance with the local legislation. Store residues in original containers. Do not empty into drains. Waste code should be assigned in place of formation.

Disposal methods for used packing: containers should be reused/recycled/eliminated in accordance with the local legislation. Only completely empty packing can be recycled.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.



# SAFETY DATA SHEET

## Section 14: Transport information

### 14.1 UN Number

Not applicable – product is not classified as dangerous during transport.

### 14.2 UN proper shipping name

Not applicable.

### 14.3 Transport hazard class(es)

Not applicable.

### 14.4 Packing group

Not applicable.

### 14.5 Environmental hazards

Not applicable.

### 14.6 Special precautions for user

Not applicable.

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

## Section 15: Regulatory information

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

**Regulation (EC) No 1907/2006** of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

**Regulation (EC) No 1272/2008** of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

**Commission Regulation (EU) No 2015/830** of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**Directive 2008/98/EC** of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

**Commission Directive 2019/1831/EU** of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

ADR European Agreement concerning the international carriage of dangerous goods by road.

**European Parliament and Council Directive 94/62/EC** of 20 December 1994 on packaging and packaging waste as amended.

**Commission Directive 2000/39/EC** of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Commission Directive 2006/15/EC** of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

**Commission Directive 2009/161/EU** of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

**Commission Directive 2017/164/EU** of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

**Regulation (EU) No 2016/425** of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

### 15.2 Chemical safety assessment

It is not necessary to carry out a chemical safety assessment for the mixture.

## Section 16: Other information

### Full text of indicated H phrases mentioned in section 3

|      |  |
|------|--|
| H290 | May be corrosive to metals.  |
| H301 | Toxic if swallowed.  |
| H302 | Harmful if swallowed.  |
| H315 | Causes skin irritation.  |
| H317 | May cause an allergic skin reaction.                               |
| H318 | Causes serious eye damage.   |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

### Abbreviations and acronyms

|                |   |
|----------------|---|
| Met. Corr 1    | Substance or mixture corrosive to metals category 1           |
| Acute Tox. 3,4 | Acute Toxicity category 3,4                                   |
| Skin Sens. 1   | Skin sensitization category 1                                 |
| STOT RE 2      | Specific target organ toxicity – repeated exposure category 2 |
| Skin Irrit. 2  | Skin irritation category 2                                    |
| Eye Dam. 1     | Serious eye damage 1  |
| PBT            | Persistent, Bioaccumulative and Toxic substance               |
| vPvB           | very Persistent, very Bioaccumulative substance               |

### Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

### Key literature references and data sources

This SDS was prepared on the basis of the SDS delivered by the manufacturer, literature data, online databases (ECHA, TOXNET, COSING) as well as our knowledge and experience, taking into account current legislation.

### Procedures used to classify the mixture in accordance with Reg. EC 1272/2008

Classification was based on data on hazardous substances calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended.

### Additional information

Date of update: 08.10.2020  
Version: 4.0/EN  
Safety Data Sheet made by: „THETA“ Technical Consulting

**This SDS replaces and cancels all its previous versions.**

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.