



Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Code: 18/043
Product name: AM5T

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

Intended use: Defoamer.

1.3. Details of the supplier of the safety data sheet

Name: CHEMTEC S.r.l.
Full address: Via Alberto da Giussano 36/O
District and Country: 20011 CORBETTA (MI)
ITALY
tel. +39 02 92867461
fax +39 02 87366254

e-mail address of the competent person

responsible for the Safety Data Sheet: labo@chemtec.it
Product distribution by: CHEMTEC S.r.l.

1.4. Emergency telephone number

For inquiries refer to: +39 02 92867461 during office hour 8.30-12.30 - 13.30-17.30
For urgent inquiries refer to: Local emergency services

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2015/830.
Hazard classification and indication: --

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal words: --

Hazard statements: EUH210
Safety data sheet available on request.

Precautionary statements: --

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

According to Annex II to REACH - Regulation 2015/830

Identification	Conc. %	Classification 1272/2008 (CLP)
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC		
CAS 64742-53-6	< 65	Asp. Tox. 1 H304, Classification note according to Annex VI to the CLP Regulation: L
EC 265-156-6		
INDEX 649-466-00-2		
Reg. no. 01-2119480375-34		
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC		
CAS 64742-54-7	< 65	Asp. Tox. 1 H304, Classification note according to Annex VI to the CLP Regulation: L
EC 265-157-1		
INDEX 649-467-00-8		
Reg. no. 01-2119484627-25		
WHITE MINERAL OIL (PETROLEUM)		
CAS 8042-47-5	< 65	Asp. Tox. 1 H304
EC 232-455-8		
INDEX -		
Reg. no. 01-2119487078-27		
C18-C50 BRANCHED, CYCLIC AND LINEAR HYDROCARBONS – DISTILLATES		
CAS 848301-69-9	< 65	Asp. Tox. 1 H304
EC 482-220-0		
INDEX -		
Reg. no. 01-0000020163-82		
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC		
CAS 64742-52-5	< 65	Classification note according to Annex VI to the CLP Regulation: L
EC 265-155-0		
INDEX 649-465-00-7		
Reg. no. 01-2119467170-45		
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC		
CAS 64742-55-8	< 65	Asp. Tox. 1 H304, Classification note according to Annex VI to the CLP Regulation: L
EC 265-158-7		
INDEX 649-468-00-3		

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346.

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Remove contact lenses, if present and easy to do. Continue rinsing. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash the exposed skin area with mild soap and water followed by rinsing with hot water.

INHALATION: Call a POISON CENTER / doctor. Bring the subject to fresh air. Put yourself at rest.

INGESTION: Do not induce vomiting. Call a POISON CENTER / doctor immediately. Rinse your mouth. Request emergency medical intervention.

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

It is not expected to present a significant risk under the intended conditions of use.

According to Annex II to REACH - Regulation 2015/830

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

Information for the doctor: symptomatically treatment.

SECTION 5. Firefighting measures**5.1. Extinguishing media**

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, alcohol resistant foam, dry powder, sand and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use a compact jet of water.

5.2. Special hazards arising from the substance or mixture

Non-flammable product.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

General measures: attention, the product can make the soil slippery.

Block the leakage if there is no hazard. Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage**7.1. Precautions for safe handling**

Ensure good ventilation. Use the personal protective equipment required.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Protect from frost. Keep containers away from any incompatible materials, see section 10 for details.

Storage class TRGS 510 (Germany): 10

7.3. Specific end use(s)

Defoamer.

According to Annex II to REACH - Regulation 2015/830

SECTION 8. Exposure controls/personal protection**8.1. Control parameters**

Regulatory References:

CHE Suisse / Schweiz
 DEU Deutschland
 ROU România
 TLV-ACGIH

Valeurs limites d'exposition aux postes de travail 2014. / Grenzwerte am Arbeitsplatz
 TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
 Monitorul Oficial al României 44; 2012-01-19
 ACGIH 2018

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC**Health - Derived no-effect level - DNEL / DMEL**

Effects on consumers

Effects on workers

Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation							5,4 mg/m3	VND

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC**Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min
		mg/m3	ppm
TLV-ACGIH		5	

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC**Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min
		mg/m3	ppm
TLV-ACGIH		5	INHAL

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Effects on workers

Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation							VND	5,4 mg/m3

WHITE MINERAL OIL (PETROLEUM)**Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min
		mg/m3	ppm
MAK	CHE	5	INHAL
AGW	DEU	5	20
MAK	DEU	5	20
TLV	ROU	5	10
TLV-ACGIH		5	10

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Effects on workers

Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	40 mg/kg bw/d				
Inhalation				35 mg/m3				160 mg/m3
Skin				92 mg/kg bw/d				220 mg/kg bw/d

According to Annex II to REACH - Regulation 2015/830

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

HAND PROTECTION

In case of extended contact use gloves (EN 374).

EYE PROTECTION

Chemical protective goggles or protective goggles (EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	viscous liquid
Colour	amber
Odour	characteristic
Odour threshold	Not available
pH	5
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 125 °C
Evaporation Rate	Not available
Flammability of solids and gases	Not inflammable
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	0,9 Kg/l around
Solubility	On the water the material will disperse
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity - kinematic	>20,5 mm ² /s (40°C)

According to Annex II to REACH - Regulation 2015/830

Viscosity - dynamic 420 mPa.s (20°C)

Explosive properties Not available

Oxidising properties Not available

9.2. Other information

Information not available

SECTION 10. Stability and reactivity**10.1. Reactivity**

No further information available.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No polymerization. Not established.

10.4. Conditions to avoid

Avoid extremely high or extremely low temperatures. Avoid direct sunlight. Avoid exposure to sources of ignition.

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

Avoid exposure to: sources of heat.

WHITE MINERAL OIL (PETROLEUM)

Avoid exposure to: heat, naked flames, direct sunlight, ignition sources.

10.5. Incompatible materials

Incompatible with: oxidizing agents, strong acids, strong alkalis.

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

Incompatible with: oxidising agents.

WHITE MINERAL OIL (PETROLEUM)

Avoid contact with: acids, strong bases, oxidising agents.

10.6. Hazardous decomposition products

In case of fire, hazardous decomposition products can be produced such as: carbon monoxide, carbon dioxide.

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

When heated to decomposition releases: carbon monoxide, hydrogen sulfide, sulphur oxides, sulphuric acid.

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC

May develop: toxic fumes, carbon oxides, nitric oxide.

WHITE MINERAL OIL (PETROLEUM)

When heated to decomposition releases: harmful and flammable gases or vapors.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effectsMetabolism, toxicokinetics, mechanism of action and other information

Information not available.

Information on likely routes of exposure

According to Annex II to REACH - Regulation 2015/830

Information not available.

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

Information not available.

Interactive effects

Information not available.

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no significant component)

LD50 (Oral) of the mixture: Not classified (no significant component)

LD50 (Dermal) of the mixture: Not classified (no significant component)

WHITE MINERAL OIL (PETROLEUM)

LD50 (Oral) > 5000 mg/kg Rat (OECD - 401)

LD50 (Dermal) > 5000 mg/m3 Rabbit (OECD - 402)

LC50 (Inhalation) > 5000 mg/m3 Rat (OECD - 403)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

LD50 (Oral) > 5000 mg/kg Rat (API - 1986a)

LD50 (Dermal) > 5000 mg/kg Rabbit (API - 1982)

LC50 (Inhalation) > 5,53 mg/l/4h Rat (EMBSI - 1988a)

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class. pH 5.

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class. pH 5.

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class.

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class.

CARCINOGENICITY

Does not meet the classification criteria for this hazard class.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class.

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class.

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class. Viscosity - kinematic : >20,5 mm2/s (40°C).

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

According to Annex II to REACH - Regulation 2015/830

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC
LC50 - for Fish > 100 mg/l/96h Fish
Chronic NOEC for Crustacea 10 mg/l

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC
EC50 - for Crustacea > 10000 mg/l/48h Daphnia

12.2. Persistence and degradability

WHITE MINERAL OIL (PETROLEUM)
Rapidly degradable

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC
Solubility in water Insoluble
Entirely degradable

12.3. Bioaccumulative potential

WHITE MINERAL OIL (PETROLEUM)
Partition coefficient: n-octanol/water 3,5

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC
Partition coefficient: n-octanol/water > 2 Log Kow
BCF < 500

12.4. Mobility in soil

Information not available.

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable.

According to Annex II to REACH - Regulation 2015/830

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

Information not relevant.

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Seveso Category - Directive 2012/18/EC: None.Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006
None.Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls

Information not available.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 1: Low hazard to waters.

15.2. Chemical safety assessment

No chemical safety assessment has been performed for the mixture.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

According to Annex II to REACH - Regulation 2015/830

Asp. Tox. 1	Aspiration hazard, category 1
H304	May be fatal if swallowed and enters airways.
EUH210	Safety data sheet available on request.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety

According to Annex II to REACH - Regulation 2015/830

laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:
The following sections were modified:
01 / 02 / 03 / 09 / 11 / 13 / 15 / 16.