ARVIS MAXX

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 7/11/2024 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : ARVIS MAXX
Product code : ARVISMAXX

1.2. Recommended use and restrictions on use

Recommended use : Agriculture, forestry, fishery

1.3. Supplier

Manufacturer
Timac Agro USA, INC. Inc.
Route 724 & I-176
P.O. Box 888
Reading, PA 19607, PENSYLVANIA
USA
T 1-800-545-5474
info-fds@roullier.com

1.4. Emergency telephone number

Country/Area	Organization/Company	Address	Emergency number	Comment
Americas	3E		+1-760-476-3962 (Access code : 333021)	(24/7)
USA	USA POISON CONTROL CENTER (24h/7d)		1-800-222-1222	

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 1B	H314	Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1	H318	Causes serious eye damage
Skin sensitization, Category 1	H317	May cause an allergic skin reaction
Reproductive toxicity Category 2	H361	Suspected of damaging fertility or the unborn child (Dermal, Inhalation, oral)
Specific target organ toxicity (repeated exposure) Category 1	H372	Causes damage to organs through prolonged or repeated exposure

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger

Hazard statements (GHS US) : H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H361 - Suspected of damaging fertility or the unborn child (Dermal, Inhalation, oral)
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) : P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe vapors.
P280 - Wear protective clothing, protective clothing, eye protection, face protection, protective gloves.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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.
P308+P313 - If exposed or concerned: Get medical advice/attention.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
Benzyl alcohol		CAS-No.: 100-51-6	25 – 50	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
Glycerol		CAS-No.: 56-81-5	25 – 50	Not classified
Phosphorothioic triamide, N-butyl		CAS-No.: 94317-64-3	10 – 25	Eye Dam. 1, H318 Repr. 2, H361
2-aminoethanol		CAS-No.: 141-43-5	5 – 10	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 1, H372
Lemon terpenes		CAS-No.: 68917-33-9	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Seek medical attention if ill effect develops.
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact : Rinse thoroughly and plentifully with water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist immediately, even if there are no immediate symptoms.
First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Immediately call a poison center or doctor/physician. If possible show him this sheet. Failing this, show him the packaging or label.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : see section(s) : 2.1/2.3).
Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : Burns.
Chronic symptoms : Suspected of damaging fertility. Suspected carcinogen.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO2). Phosphorus oxides. Sulphur oxides. Ammonia.

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire : Keep away from combustible material.
Firefighting instructions : Prevent fire-fighting water from entering environment. Contain the extinguishing fluids by bunding.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures	:	Only qualified personnel equipped with suitable protective equipment may intervene. Ventilate spillage area. Do not breathe vapors. Do not get in eyes, on skin, or on clothing. Evacuate unnecessary personnel. Mark the danger area.

6.1.2. For emergency responders

Protective equipment	:	Equip cleanup crew with proper protection. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	:	Ventilate area. Stop leak if safe to do so. Dike and contain spill. Evacuate unnecessary personnel.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	:	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up	:	Take up liquid spill into absorbent material. Pump up the product into a suitably labeled spare container.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Ensure good ventilation of the work station. Do not breathe vapors. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes.
Handling temperature	:	≥ 0 °C
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove contaminated clothes. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Provide local exhaust or general room ventilation. The floor of the depot should be impermeable and designed to form a water-tight basin. Comply with applicable regulations.
Storage conditions	:	Protect from sunlight. Store in a well-ventilated place. Store closed containers with closure in upper position.
Incompatible products	:	Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity.
Storage temperature	:	Store at ambient temperature. Protect from freezing.
Heat-ignition	:	Keep away from open flames, hot surfaces and sources of ignition.
Information on mixed storage	:	Keep away from food, drink and animal feeding stuffs.
Storage area	:	Store away from heat. Store in a well-ventilated place.
Special rules on packaging	:	Keep only in original container. Store in a closed container.
Packaging materials	:	Plastic. Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Glycerol (56-81-5)	
USA - OSHA - Occupational Exposure Limits	
Local name	Glycerin (mist)
OSHA PEL TWA	15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

2-aminoethanol (141-43-5)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethanolamine
ACGIH OEL TWA	3 ppm
ACGIH OEL STEL	6 ppm
ACGIH OEL Ceiling	3 ppm
Remark (ACGIH)	TLV® Basis: Eye & skin irr
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Ethanolamine
OSHA PEL TWA	6 mg/m³
	3 ppm
OSHA PEL STEL	6 ppm
OSHA PEL (Ceiling)	3 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	3 ppm
NIOSH REL (STEL)	6 ppm
NIOSH REL (Ceiling)	3 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Local exhaust and general ventilation must be adequate to meet exposure standards.

Environmental exposure controls : Assure that emissions are compliant with all applicable air pollution control regulations. Comply with applicable regulations. Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Wear recommended personal protective equipment.

Materials for protective clothing:	
Wear suitable protective clothing	
Condition	**Material**
Excellent resistance:	

Hand protection:
Chemical resistant PVC gloves (to European standard ISO 374-1 or equivalent)

Type	Material	Permeation	Thickness (mm)	Penetration
Disposable gloves, Reusable gloves	Polyvinylchloride (PVC)			

Eye protection:		
Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product. ISO 16321-1. Safety glasses		
Type	**Field of application**	**Characteristics**
Safety glasses		With side shields

Skin and body protection:
Rubber boots

Respiratory protection:		
Where excessive vapor may result, wear approved mask. [In case of inadequate ventilation] wear respiratory protection.		
Device	**Filter type**	**Condition**
Reusable half mask, Disposable half mask, Aerosol mask	Type P2, Type A - High-boiling (>65 °C) organic compounds	vapor protection

Personal protective equipment symbol(s):

Other information:
See Heading 7 : 7.1. Precautions for safe handling.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Color	:	Blue
Odor	:	characteristic
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	> 212 °F
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	Not applicable
Relative vapor density at 20°C	:	No data available
Relative density	:	1.12
Solubility	:	Partially soluble. Water: partly soluble
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	Not applicable

Explosive properties : Product is not explosive.
Oxidizing properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. In case of fire: See Heading 5.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2). Phosphorus oxides. Sulphur dioxide. Nitrogen oxides. Ammonia.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified
Additional information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

ARVIS MAXX	
Additional data	No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

Benzyl alcohol (100-51-6)	
LD50 oral rat	1230 mg/kg
LD50 dermal rat	> 2000 mg/kg body weight EPA OTS 798.1100
ATE US (oral)	1230 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Phosphorothioic triamide, N-butyl (94317-64-3)	
LD50 oral rat	2823 mg/kg (OECD 401 method)

Phosphorothioic triamide, N-butyl (94317-64-3)	
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 2.1 mg/l/4h
ATE US (oral)	2823 mg/kg body weight

2-aminoethanol (141-43-5)	
LD50 oral rat	1089 mg/kg (OECD 401 method)
LD50 dermal rat	1822 mg/kg (OECD 402 method)
ATE US (oral)	1089 mg/kg body weight
ATE US (dermal)	1822 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns.

2-aminoethanol (141-43-5)	
pH	12.1

Serious eye damage/irritation : Causes serious eye damage.

2-aminoethanol (141-43-5)	
pH	12.1

Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Suspected of damaging fertility or the unborn child (Dermal, Inhalation, oral).
STOT-single exposure : Not classified

ARVIS MAXX	
Additional data	No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

2-aminoethanol (141-43-5)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

ARVIS MAXX	
Additional data	No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

2-aminoethanol (141-43-5)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Symptoms/effects : see section(s) : 2.1/2.3).
Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : Burns.
Chronic symptoms : Suspected of damaging fertility. Suspected carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Based on available data, the classification criteria are not met. No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation. Do not allow into drains or water courses. Before neutralisation, the product may represent a danger to aquatic organisms.

Ecology - water : Do not allow large quantities, as are, to spread into the environment. Do not discharge into drains or rivers.

Benzyl alcohol (100-51-6)	
LC50 - Fish [1]	460 mg/l
EC50 - Crustacea [1]	230 mg/l
EC50 72h - Algae [1]	770 mg/l

Phosphorothioic triamide, N-butyl (94317-64-3)	
LC50 - Fish [1]	96h 1140 mg/l Lepomis macrochirus (Bluegill)
EC50 - Crustacea [1]	290 mg/l (OECD 202 method)
EC50 - Other aquatic organisms [1]	280 mg/l Selenastrum capricornutum, 96 Hours
LC50 - Other aquatic organisms [2]	350 mg/l (Daphnia magna, 48h)

2-aminoethanol (141-43-5)	
LC50 - Fish [1]	349 mg/l Cyprinus carpio
EC50 - Crustacea [1]	65 mg/l (Daphnia magna, 48h)
EC50 72h - Algae [1]	4 mg/l Test method EU C.3
NOEC chronic fish	1.2 mg/l
NOEC chronic crustacea	0.85 mg/l
NOEC chronic algae	OECD 201 1 mg/l Pseudokirchneriella subcapitata (NF EN ISO 8692)

12.2. Persistence and degradability

ARVIS MAXX	
Persistence and degradability	No studies of longer duration have been conducted at this time.
Biodegradation	Small adsorption

Benzyl alcohol (100-51-6)	
Persistence and degradability	Rapidly degradable

Glycerol (56-81-5)	
Persistence and degradability	Rapidly degradable

Phosphorothioic triamide, N-butyl (94317-64-3)	
Persistence and degradability	Rapidly degradable

Lemon terpenes (68917-33-9)	
Persistence and degradability	Rapidly degradable

2-aminoethanol (141-43-5)	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test.

12.3. Bioaccumulative potential

ARVIS MAXX	
Bioaccumulative potential	Bioaccumulation unlikely. No studies of longer duration have been conducted at this time.

Phosphorothioic triamide, N-butyl (94317-64-3)	
Partition coefficient n-octanol/water (Log Kow)	0.444

2-aminoethanol (141-43-5)	
Bioconcentration factor (BCF REACH)	< 100
Partition coefficient n-octanol/water (Log Pow)	-1.91
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

2-aminoethanol (141-43-5)	
Mobility in soil	Very mobile

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Discharging into rivers and drains is forbidden. Disposal must be done according to official regulations.
Additional information : Do not re-use empty containers.

SECTION 14: Transport information

In accordance with DOT / TMD / IMDG / IATA

14.1. UN number

UN-No.(DOT) : UN2491
UN-No. (TDG) : UN2491
UN-No. (IMDG) : 2491
UN-No. (IATA) : 2491

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Ethanolamine solutions
Proper Shipping Name (TDG) : ETHANOLAMINE SOLUTION
Proper Shipping Name (IMDG) : ETHANOLAMINE SOLUTION
Proper Shipping Name (IATA) : Ethanolamine solution

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : 8
Hazard labels (DOT) : 8

TDG

Transport hazard class(es) (TDG) : 8
Hazard labels (TDG) : 8

IMDG

Transport hazard class(es) (IMDG) : 8
Hazard labels (IMDG) : 8

IATA

Transport hazard class(es) (IATA) : 8
Hazard labels (IATA) : 8

14.4. Packing group

Packing group (DOT) : III
Packing group (TDG) : III
Packing group (IMDG) : III
Packing group (IATA) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

UN-No.(DOT) : UN2491
DOT Special Provisions (49 CFR 172.102) : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx) : 154
DOT Packaging Non Bulk (49 CFR 173.xxx) : 203
DOT Packaging Bulk (49 CFR 173.xxx) : 241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	60 L
DOT Vessel Stowage Location	:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	:	52 - Stow ‘‘separated from’’ acids

TDG

UN-No. (TDG)	:	UN2491
Explosive Limit and Limited Quantity Index	:	5 L
Excepted quantities (TDG)	:	E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	5 L
Emergency Response Guide (ERG) Number	:	153

IMDG

Special provision (IMDG)	:	223
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T4
Tank special provisions (IMDG)	:	TP1
EmS-No. (Fire)	:	F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	:	S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Stowage category (IMDG)	:	A
Segregation (IMDG)	:	SGG18, SG35
Properties and observations (IMDG)	:	Colourless. Miscible with water. Corrosive to copper, copper compounds, copper alloys and rubber. Reacts violently with acids. Liquid and vapour cause burns to skin, eyes and mucous membranes.

IATA

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y841
PCA limited quantity max net quantity (IATA)	:	1L
PCA packing instructions (IATA)	:	852
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	856
CAO max net quantity (IATA)	:	60L
Special provision (IATA)	:	A3, A803
ERG code (IATA)	:	8L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory		
Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S		
Phosphorothioic triamide, N-butyl	CAS-No. 94317-64-3	10 – 25%

15.2. International regulations

CANADA

Benzyl alcohol (100-51-6)

Listed on the Canadian DSL (Domestic Substances List)

Glycerol (56-81-5)

Listed on the Canadian DSL (Domestic Substances List)

Phosphorothioic triamide, N-butyl (94317-64-3)

Listed on the Canadian DSL (Domestic Substances List)

Lemon terpenes (68917-33-9)

Listed on the Canadian DSL (Domestic Substances List)

2-aminoethanol (141-43-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Data sources : Safety Data Sheet Supplier. Section 1.2, 8.1, 11 & 12 are based on components' Chemical Safety Report and/or datas from components' supplie.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of hazard classes and H-statements	
H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

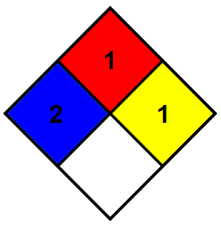
Full text of hazard classes and H-statements	
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Abbreviations and acronyms	
ATE	Acute Toxicity Estimate
DNEL	Derived-No Effect Level
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
EC50	Median effective concentration
DMEL	Derived Minimal Effect level
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
LC50	Median lethal concentration
SDS	Safety Data Sheet
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
vPvB	Very Persistent and Very Bioaccumulative

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity : 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability	:	1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	:	1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.
Personal protection	:	n - Splash goggles p - Gloves q - Boots r - Synthetic apron

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.