Conforms: GHS (rev 4) (2011)

(This Safety Data Sheet conforms to the requirements of the Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)), revised in 2012.) - United States

Date of issue/ Date of revision : 08/24/2018
Date of previous issue : 09/20/2013

Version : 1.1



SAFETY DATA SHEET

YaraLiva Tropicote

Section 1. Identification

Product identifier : YaraLiva Tropicote

Other means of identification : Calcinit, Calcium Nitrate, S-35

Product type : solid Product code : PA34HU

<u>Uses</u>

Area of application : Professional applications

Material uses : Fertilizers.

Supplier

Supplier's details : Yara North America, Inc.

Address

Street: 100 North Tampa Street, Suite 3200

Postal code : 33602 City : TAMPA Country : United States

Telephone number : +1 813 222 5700 Fax no. : +1 813 875 5735 e-mail address of person : yna-hesq@yara.com

responsible for this SDS

Emergency telephone number

(with hours of operation)

US: Chemtrec 24-hours Emergency Response: 1-800-424-

9300

Canada: 24 Hour Emergency Service, (Canutec 613-996-

6666)

National advisory body/Poison Center

Name : The National Poisons Emergency number

Telephone number : 1 800 222 1222

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard

Communication Standard (29 CFR 1910.1200).

Classification of the : ACUTE TOXICITY (oral) - Category 4 substance or mixture. : SERIOUS EYE DAMAGE - Category 1

GHS label elements

Hazard pictograms



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.

H318 Causes serious eye damage.

Precautionary statements

Prevention: P280 Wear protective gloves and eye protection.

P270 Do not eat, drink or smoke when using this

product.

P264-a Wash hands thoroughly after handling.

Response : P305 IF IN EYES:

P351 Rinse cautiously with water for several

minutes.

P338 Remove contact lenses, if present and easy

to do. Continue rinsing.

P310 Immediately call a POISON CENTER or

doctor/physician.

P301 IF SWALLOWED:

P312 Call a POISON CENTER or

doctor/physician if you feel unwell.

P330 Rinse mouth.

Hazards not otherwise

classified

Product forms slippery surface when combined with water.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	CAS number	%	
Calcium nitrate	10124-37-5	>= 70 - < 80	
Ammonium nitrate	6484-52-2	>= 7 - < 10	

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

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Remark : Nitric acid, ammonium calcium salt (Hydrated Ammonium

Calcium Nitrate Double Salt) (CAS# 15245-12-2)

containing 74.5 wt% Calcium Nitrate (CAS# 10124-37-5), 9.2 wt% Ammonium Nitrate (CAS # 6484-52-2) and 16.3

wt% Water (CAS# 7732-18-5).

Section 4. First aid measures

Description of necessary first aid measures

Eye contact: Immediately flush eyes with running water for at least 15

minutes, keeping eyelids open. Check for and remove any contact lenses. Get medical attention immediately.

Inhalation : If inhaled, remove to fresh air. In case of inhalation of

decomposition products in a fire, symptoms may be delayed. Get medical attention immediately. The exposed person may need to be kept under medical surveillance for 48 hours. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

Skin contact: Wash with soap and water. Get medical attention if irritation

develops.

Ingestion : Wash out mouth with water. If material has been swallowed

and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : May give off gas, vapor or dust that is very irritating or

corrosive to the respiratory system. Exposure to

decomposition products may cause a health hazard. Serious

effects may be delayed following exposure.

Skin contact: No known significant effects or critical hazards.

Ingestion : Harmful if swallowed. May cause burns to mouth, throat and

stomach.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:

pain watering redness

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : Adverse symptoms may include the following:

stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

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Notes to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments Protection of first-aiders No specific treatment.

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media

Specific hazards arising from the chemical

- **Hazardous thermal** decomposition products
- Use flooding quantities of water for extinction.
- Do NOT use chemical extinguisher or foam or attempt to smother the fire with steam or sand.
- The product itself is not combustible but it can support combustion, even in absence of air. On heating it melts and further heating can cause decomposition, releasing toxic fumes containing nitrogen oxides and ammonia.

Decomposition products may include the following materials: nitrogen oxides

metal oxide/oxides

ammonia

Avoid breathing dusts, vapors or fumes from burning

materials.

In case of inhalation of decomposition products in a fire,

symptoms may be delayed.

Special protective actions for fire-fighters

Special protective equipment for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Non-flammable. Remark

None. Remark

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is

Date of issue: 08/24/2018 Page:4/18 inadequate. Put on appropriate personal protective equipment (see Section 8).

For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

: Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep

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container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep away from: organic materials, oil and grease.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Ammonium nitrate	None.
Calcium nitrate	None.

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: A washing facility or water for eye and skin cleaning purposes should be present. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended: Tightly-fitting goggles

Skin protection

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. For general applications, we recommend gloves with a thickness typically greater than 0.35 mm. It should be emphasized that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material.

> 8 hours (breakthrough time): Protective gloves should be

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worn under normal conditions of use.

Body protection: Personal protective equipment for the body should be selected

based on the task being performed and the risks involved.

Other skin protection : Appropriate footwear and any additional skin protection

measures should be selected based on the task being

performed and the risks involved and should be approved by a

specialist before handling this product.

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

Recommended: Filter P2 (EN 143)

Personal protective equipment

(Pictograms)



Section 9. Physical and chemical properties

Appearance

Physical state : solid
Color : White.
Odor : Odorless.
Odor threshold : Not determined.
pH : 6.3 [Conc.: 110 g/l]

Melting/freezing point : 400 °C (752 °F)

Boiling/condensation point : Not determined.
Sublimation temperature : Not determined.
Flash point : Not determined.
Fire point : Not determined.
Evaporation rate : Not determined.
Flammability (solid, gas) : Non-flammable.

Lower and upper explosive

(flammable) limitsUpper: Not determined.Vapor pressure: Not determined.Relative density: Not determined.

Solubility : Easily soluble in the following materials:

cold water

Partition coefficient: n-

octanol/water

: Not determined.

Auto-ignition temperature : Not determined.

Decomposition temperature

Viscosity

: Not determined.

Dynamic: Not determined. **Kinematic:** Not determined.

Lower: Not determined.

Explosive properties : None. **Oxidizing properties** : None

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Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this

product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous

reactions

Under normal conditions of storage and use, hazardous

reactions will not occur.

Conditions to avoid : Avoid contamination by any source including metals, dust and

organic materials.

Incompatible materials : alkalis

combustible materials reducing materials organic materials

Acids

Hazardous decomposition

products

Under normal conditions of storage and use, hazardous

decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingre dient name	Result	Species	Dose	Exposure	References				
Ammonium nitrate									
	LD50 Oral Rat		2,950 mg/kg OECD 401	Not applicable.	IUCLID				
	LD50 Dermal	Rat	> 5,000 mg/kg OECD 402	Not applicable.	IUCLID				
Calcium nitrate									
	LD50 Oral	Rat - Female	500 mg/kg OECD 423	Not applicable.	IUCLID 5				
	LD50 Dermal	Rat	2,000 - 5,000 mg/kg OECD 402	Not applicable.	IUCLID				

Conclusion/Summary : Harmful if swallowed.

Irritation/Corrosion

Product/ingred ient name	Result	Species	Score	Exposure	Observation	References
Ammonium nitrate	Eyes - Irritant OECD 405	Rabbit	Not applic able.		Not applicable.	IUCLID

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Calcium nitrate	Eyes - Severe	Rabbit	Not	24 - 72 h	Not	
	irritant OECD		applic		applicable.	
	405		able.			

Conclusion/Summary

Skin : No known significant effects or critical hazards.

Eyes : Causes serious eye damage.

Respiratory: No known significant effects or critical hazards.

Sensitization

Conclusion/Summary

Skin : No known significant effects or critical hazards.

Respiratory : No known significant effects or critical hazards.

Mutagenicity

Conclusion/Summary : No known significant effects or critical hazards.

Carcinogenicity

Classification

Product/ingredient	OSHA	IARC	NTP
name			
Calcium nitrate	Not applicable.	2A	Not applicable.

Conclusion/Summary : No known significant effects or critical hazards.

Reproductive toxicity

Product/ing redient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure	References
Ammonium nitrate	Not applicable.	Negative	Negative	Rat	Oral: > 1500 mg/kg bw/day OECD 422	28 days	IUCLID 5
Calcium nitrate	Not applicable.	Negative	Negative	Rat	Oral: > 1500 mg/kg bw/day Repeate d dose OECD 422	Not applicable.	IUCLID 5

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Conclusion/Summary: No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

No known significant effects or critical hazards.

Specific target organ toxicity (repeated exposure)

No known significant effects or critical hazards.

Aspiration hazard

No known significant effects or critical hazards.

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : May give off gas, vapor or dust that is very irritating or

corrosive to the respiratory system. Exposure to

decomposition products may cause a health hazard. Serious

effects may be delayed following exposure.

Skin contact : No known significant effects or critical hazards.

Ingestion : Harmful if swallowed. May cause burns to mouth, throat and

stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

pain watering redness

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : Adverse symptoms may include the following:

stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Product/ingredient	Result	Species	Dose	Exposure	References
name					

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Ammonium nitrate	NOAEL Oral	Rat	256 mg/kg OECD 422	28days	IUCLID 5
	NOEC Dusts and mists Inhalation	Rat	> 185 mg/kg OECD 412	2weeks 5 hours per day	IUCLID 5
Calcium nitrate	NOAEL Oral	Rat	> 1,000 mg/kg OECD 407	28days	IUCLID 5

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Effects on or via lactation : No known significant effects or critical hazards.

Other effects : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:

pain watering redness

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : Adverse symptoms may include the following:

stomach pains

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	660.3 mg/kg

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure	References		
Ammonium nitrate						
	Acute LC50 447	Fish	48 h	IUCLID 5		

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	mg/l Fresh water			
	Acute EC50 490 mg/l Fresh water	Daphnia	48 h	IUCLID 5
	Acute EC50 1,700 mg/l Salt water	Algae	10 d	IUCLID 5
Calcium nitrate				
	Acute LC50 1,378 mg/l Fresh water OECD 203	Fish	96 h	IUCLID 5
	Acute LC50 2,400 mg/l Fresh water	Bluegill	4 d	Proc. Acad. Nat. Sci. Philadelphia106: 185-205
	Acute LC50 490 mg/l Fresh water	Daphnia	48 h	IUCLID 5
	Acute EC50 > 1,700 mg/l Salt water	Algae	10 d	IUCLID 5

Conclusion/Summary : No known significant effects or critical hazards.

Persistence and degradability

Conclusion/Summary: No known significant effects or critical hazards.

Bioaccumulative potential

Conclusion/Summary : No known significant effects or critical hazards.

Not available.

Mobility in soil

Soil/water partition coefficient (KOC)

Mobility : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Product

Methods of disposal

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when

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recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

Regulation: UN Class	
14.1 UN number	Not regulated.
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	No.
Additional information	
Environmental hazards	: No.

Regulation: IMDG	
14.1 UN number	Not regulated.
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	No.
Additional information	
Marine pollutant	: No.

Regulation: IATA	
14.1 UN number	Not regulated.
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	No.
Additional information	
Marine pollutant	: No.

Regulation: DOT Classification	
14.1 UN number	Not regulated.

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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	No.
Additional information	
Marine pollutant	: Not available.

Regulation: TDG Class	
14.1 UN number	Not regulated.
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	No.
Additional information	
Not applicable.	
Environmental hazards	: No.

14.6 Special precautions for

<u>user</u>

Transport within user's premises: Ensure that persons transporting the product know what to do in the event of

an accident or spillage.

IMSBC

Bulk cargo shipping name

CALCIUM NITRATE FERTILIZER

Class

Not applicable.

Group

Marpol V

Non-HME

Transport in bulk according to

Annex II of MARPOL and the

IBC Code

Not applicable.

Section 15. Regulatory information

United States

U.S. Federal regulations TSCA 8(a) CDR Exempt/Partial exemption: Not

determined

Clean Air Act Section 112(b)

Hazardous Air Pollutants

(HAPs)

Not listed

Clean Air Act Section 602

Not listed

Class I Substances

Clean Air Act Section 602

Not listed

Class II Substances

Date of issue: 08/24/2018 Page:14/18 DEA List I Chemicals (Precursor Chemicals)

: Not listed

Not listed

DEA List II Chemicals (Essential Chemicals)

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : ACUTE TOXICITY

oral

Category 4SERIOUS EYE DAMAGE

Category 1

Composition/information on ingredients

Name	%	Classification
Ammonium nitrate	>= 7 - < 10	F, AHF, AH
Calcium nitrate	>= 70 - < 80	F, AH, CHF, AH

SARA 313

Form R - Reporting requirements

Product name	CAS number	%
Ammonium nitrate	6484-52-2	>= 7 - < 10
Calcium nitrate	10124-37-5	>= 70 - < 80

Supplier notification

Product name	CAS number	%
Ammonium nitrate	6484-52-2	>= 7 - < 10
Calcium nitrate	10124-37-5	>= 70 - < 80

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts: The following components are listed:

Ammonium nitrate

New York : None of the components are listed.
New Jersey : The following components are listed:

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Calcium nitrate Ammonium nitrate

Pennsylvania: The following components are listed:

Ammonium nitrate

California Prop. 65

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Inventory list

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

Korea inventory: All components are listed or exempted. **Canada inventory:** All components are listed or exempted.

Taiwan Chemical Substances Inventory (TCSI): All components are listed or exempted. Taiwan Chemical Substances Inventory (TCSI): All components are listed or exempted.

United States inventory (TSCA 8b): All components are listed or exempted. EC INVENTORY (EINECS/ELINCS): All components are listed or exempted.

Canada: All components are listed or exempted.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	/	3
Flammability		0
Physical hazards		0

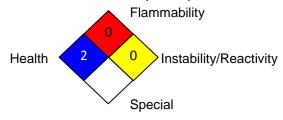
Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Chronic toxicity:

- -: No data available.
- *: Carcinogen, Target organs, Reproductive effects, Sensitizer to lungs

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
ACUTE TOXICITY (oral) - Category 4	Calculation method
SERIOUS EYE DAMAGE - Category 1	Calculation method

History

Date of printing: 08/27/2018Date of issue/Date of revision: 08/24/2018Date of previous issue: 09/20/2013

Version : 1.1

Prepared by : Yara Chemical Compliance (YCC). **Key to abbreviations** : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and

Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of

1978. ("Marpol" = marine pollution)

UN = United Nations

Key data sources : EU REACH IUCLID5 CSR.

National Institute for Occupational Safety and Health, U.S. Dept. of Health, Education, and Welfare, Reports and Memoranda Registry of Toxic Effects of Chemical

Substances.

Sphera Solutions Inc., 4777 Levy Street, St Laurent, Quebec

HAR 2P9, Canada.

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the

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YaraLiva	Tropicote

accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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