

Advance Grass Solutions Ltd,

Unit 6 Norcot Industrial Estate, Sterling Way, Tilehurst, Reading, Berkshire RG30 6HW

Material Safety Data Sheet

20-10-10

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Name 20-10-10
Product Type Solid

1.2 Relevant identified uses of the Substance or Mixture and uses advised against

Identified uses Fertiliser

1.3 Details of the Supplier of the Safety Data Sheet

Supplier Advance Grass Solutions Ltd,

Unit 6 Norcot Industrial Estate,

Sterling Way, Tilehurst, Reading, Berkshire RG30 6HW

1.4 Emergency Contact Number

+44 (0) 118 3914540 - Normal hours are 07:30-16:30 Mon-Fri.

+44 (0) 7789 935208 - Out of normal hours only

SECTION 2 Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification Not classified

Classified according to Directive 1999/45/EC [DPD]

Classified Not classified

Product Definition Mixture

2.2 Label Elements

Signal Word No signal word

Precautionary statements



General Read label before use.

Keep out the reach of children

In the event that medical advice is required, have product container or label at hand.

Supplemental Label Elements

Safety data sheet available on request.

EU Regulation (EC) No. 1907/2006 (REACH) Annex XVII

Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings Not applicable

Tactile warning of danger Not applicable

2.3 Other Hazards

Substances meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

Not applicable

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Not applicable

Other hazards which do not result in classification

Product forms slippery surface when combined with water

SECTION 3 Composition/Information on Ingredients

3.2 Mixture

Ammonium Nitrate		0 - <80%	Type
CAS number 6484-52-2	EC number: 229-347-8	REACH registration number: 01-2119490981-27	[1]
Classification		Classification (67/548/EEC or 1999/45/EC)	
Ox. Sol.3 – H272		O; R8; Xi; R36	
Eye Dam./Irrit.2 - H319			
Ammonium Chloride		5-7%	Туре
CAS number 12125-02-9	EC number: 235-186-4	REACH registration number: 01-2119489385-24	[1][2]
Classification	Index: 017-014-00-8	Classification (67/548/EEC or 1999/45/EC)	
Acute.Tox.4 – H302		Xn; R22; Xi; R36	
Eye Dam./Irrit.2 – H319			
Calcium Fluoride (CaF2)		1-5%	Туре
CAS number 7789-75-5	EC number: 232-188-7	REACH registration number: 01-2119491248-30	[2]
Classification		Classification (67/548/EEC or 1999/45/EC)	
Not Classified		Not Classified	
Type			

Type

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.



[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No 1907/2006, Annex XIII

See Section 16 for the full text of the R phrases or H statements declared above.

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.

SECTION 4 First Aid Measures

4.1 Description of first aid measures

Eye contact Rinse with plenty of running water. Check for and remove contact lenses. Get medical attention

if irritation occurs.

Inhalation If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Get

medical attention if symptoms occur. 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. Get medical attention if symptoms are severe or persist.

Skin contact Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get

medical attention if symptoms occur.

Ingestion Wash out mouth with water. Remove victim to fresh air and keep at rest in a position

comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed by medical

personnel. Get medical attention if symptoms occur.

Protection of first-aiders No action will be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact No known significant effects or critical hazards.

Inhalation 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 No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contactNo specific data.InhalationNo specific data.Skin contactNo specific data.IngestionNo specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician 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 No specific treatment



SECTION 5 Firefighting Measures

5.1 Extinguishing media

Unsuitable extinguishing media Do NOT use chemical extinguisher or foam or attempt to smother the fire with steam or sand.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

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.

Hazardous thermal decomposition products

Decomposition products may include the following materials:

Nitrogen oxides Phosphorus oxides Halogenated compounds Metal oxide/oxides

Avoid breathing dusts, vapour or fumes from burning materials. In case of inhalation of

decomposition products in a fire, symptoms may be delayed.

5.3 Advice for firefighters

Special precautions 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.

Special protective equipment

For fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard

EN 469 will provide a basic level of protection for chemical incidents.

Additional information Not available.

SECTION 6 Accidental Release Measures

6.1 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. Put on appropriate personal protective equipment.

For Emergency Responders If specialised clothing is required to deal with the spillage, take note of any information in

Section 8 on suitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental procedures 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).

6.3 Methods and material for containment and cleaning up

Small spill Move containers from spill area. Prevent entry into sewers, watercourses, basements or

confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licenced waste disposal contractor. Material free from

contamination can be used for its original purpose.



Large spill Move containers from spill area. Prevent entry into sewers, water courses, basements or

confined areas. Vacuum or sweep up material and place in a designated, labelled waste

container. Dispose of via a licenced waste disposal contractor. Material free from contaminated

can be used for its original purpose.

<u>6.4 Reference to other sections</u> See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for disposal waste treatment information.

SECTION 7 Handling and Storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures Put on appropriate personal protective equipment (see Section 8). Product forms slippery

surface when combined with water.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material in 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.

7.2 Condition for safe storage, including any incompatibilities

Recommendation 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. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent

Form: Fume

leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Keep away from organic materials, oil and grease.

7.3 Specific end uses(s)

Recommendations Not available Industrial sector specific solutions Not available.

SECTION 8 Exposure Control/Personal Protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s)

8.1 Control parameters

Occupational Exposure Limits

Ammonium Chloride EH40/2005 WELs (1997-01-01)

Short-term exposure limit (STEL): 20mg/m³

EH40/2005 WELs (1997-01-01)

Time Weighted Average (TWA) 10mg/m³ Form: Fume



Calcium Fluoride (CaF2) EH40/2005 WELs (2001-04-01)

Time Weighted Average (TWA) 2.5mg/m³

EU OEL (2006/06/01)

Time Weighted Average (TWA) 2.5mg/m³

(Calculated as F)

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Ammonium Nitrate

DNEL Workers – Dermal; Long term systemic effects: 21.3mg/kg bw/day

Workers – Inhalation; Long term systemic effects: 37.6mg/m³

PNEC Assessment Factors -Fresh Water 0.45mg/l

Assessment Factors – Marine Water 0.045 mg/l
Assessment Factors – Intermittent release 4.5 mg/l
Assessment Factors - Sewage Treatment Plant 18 mg/l

Ammonium Chloride

DNEL Workers – Dermal; Long term systemic effects: 190mg/kg bw/day

Workers - Inhalation; Long term systemic effects: 33.5mg/m³

PNEC Assessment Factors -Fresh Water 1.2mg/l

Assessment Factors – Marine Water 0.12 mg/l
Assessment Factors – Intermittent release 1.2 mg/l

Assessment Factors – Soil 0.163 mg/kg dwt

Assessment Factors - Sewage Treatment Plant 16.2 mg/l

Calcium Fluoride (CaF2)

DNEL Workers – Inhalation; Long term systemic effects:5mg/m³

PNEC Assessment Factors -Fresh Water 0.9mg/l

Assessment Factors –Soil 11 mg/kg dwt
Assessment Factors - Sewage Treatment Plant 51 mg/l

8.2 Exposure Controls

Appropriate Engineering

controls

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep

worker exposure below any recommended or statutory limits.

Individual Protection measures

Hygiene measures Wash hands, forearms and face thoroughly after handling chemical products, before eating,

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smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing. A washing facility or water for eye and skin cleaning purposes should

be present.

Eye/Face Protection Safety eye wear 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.

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.

Body Protection Personal protective equipment for the body should be selected based on the task being

performed and the risks involved and should be approved by a specialist before handling this

product.

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 Use a properly fitted, air purifying or air-fed respirator complying with an approved standard if

a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the

selected respirator.

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.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance

Physical State Solid
Colour Gray
Odour None

Odour Threshold Not Determined

4.5 [Conc.(%w/w): 100 g/l] рΗ Decomposes: 160°C Melting point Initial boiling point and range Not determined Flash point Not determined Evaporation rate Not determined Flammability (Solid, gas) Non-flammable Not determined Burning time Not determined Burning rate

Upper/lower flammability

Or Explosive limits: Lower Not determined

Upper Not determined
Not determined
Not determined
Not determined

Not determined

Solubility(ies) Partially soluble in cold water

Partition coefficient

Vapour pressure

Vapour density Relative density

Bulk density

n-octanol/water Not determined
Auto-ignition temperature Not determined

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Viscosity: Dynamic Not determined Kinematic Not determined

Explosive properties None Oxidising properties None

9.2 Other Information

Other information No additional information

SECTION 10 Stability and Reactivity

10.1 Reactivity

Reactivity No specific test data s related to reactivity available for this product or its ingredients.

10.2 Chemical Stability

Stability The product is stable.

10.3 Possibility of Hazardous Reactions

Possibility of hazardous Under normal conditions of storage and use, hazardous reactions will not occur.

Reactions

10.4 Conditions to avoid

Conditions to avoid Avoid contamination by any source including metals, dust and organic materials.

10.5 Incompatible Materials

Materials to avoid Alkalis, combustible materials, reducing materials, organic materials, acids.

10.6 Hazardous Decomposition Products

Hazardous Decomposition Under normal conditions of storage and use, hazardous decomposition products should not be

Products produced.

SECTION 11 Toxicological Information

11.1 Information on toxicological effects

Product/Ingredient Name Ammonium Nitrate	Result LD50 - Oral LD50 – Dermal	Species Rat Rat	<u>Dose</u> 2,950 mg/kg OECD 401 >5,000 mg/kg	Exposure -	Reference IUCLID 5
			OECD 402		
Ammonium Chloride	LD50 – Oral LD50 - Dermal	Rat Rat	1,410 g/kg >2,000 mg/kg	-	IUCLID 5 IUCLID 5
Calcium Fluoride (CaF2)	LD50 – Oral LD50 – Dermal	Rat Rat	2,000 mg/kg 5.07 mg/l OECD 403	- 4h	IUCLID 5 IUCLID 5
Conclusion/Summary	Not toxic				
Irritation/Corrosion Product/Ingredient Name Ammonium Nitrate	<u>Result</u> Eyes – Irritant	<u>Species</u> <u>Score</u> Rabbit	<u>Exposure</u>	Observation -	References IUCLID 5



OECD 405

Ammonium Chloride Eyes – Irritant Rabbit - IUCLID 5

Conclusion/Summary No known significant effects or critical hazards.

Skin Non-irritating
Eyes Non-irritating
Respiratory Non-irritating

Sensitisation

Conclusion/Summary

<u>Skin</u> Non-sensitising Respiratory Non-sensitising

Mutagenicity

Conclusion/Summary No mutagenic effect

Carcinogenicity

Conclusion/Summary No carcinogenic effect

Reproductive Toxicity

<u>Product/Information</u> <u>Maternal</u> <u>Fertility</u> <u>Development</u> <u>Species</u> <u>Dose</u> <u>Exposure</u> <u>Ref</u>

<u>Toxicity</u> <u>Toxin</u>

Ammonium Nitrate - Negative Rat Oral: >1500 28 days IUCLID 5

mg/kg bw/day OECD 422

OLCD

Ammonium Chloride - Negative Negative Rat Oral: 1500 IUCLID 5

mg/kg bw/day

Conclusion/Summary Not considered to be toxic to the reproductive system.

Teratogenicity

Conclusion/Summary No teratogenic effect

Information on the likely

routes of exposure

No known significant effects or critical hazards.

Potential acute health effects

Inhalation Exposure to decomposition products may cause a health hazard. Serious effects may be

delayed following exposure.

Ingestion No known significant effects or critical hazards. Skin contact No known significant effects or critical hazards. Eye contact No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

InhalationNo specific data.IngestionNo specific data.Skin contactNo specific data.Eye contactNo specific data.



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

Short-term exposure

Potential immediate effects Adverse health effects are considered unlikely, when the product is used according to

directions.

Potential delayed effects No known significant effects or critical hazards.

Long-term exposure

Potential immediate effects Adverse health effects are considered unlikely, when the product is used according to

directions.

Potential delayed effects None identified.

Potential chronic health effects

Product Name/IngredientsResultSpeciesDoseExposureReferencesAmmonium NitrateChronicRat256 mg/kg28 daysIUCLID 5

NOAEL Oral OECD 422

Sub-acute Rat >185 mg/kg 2 weeks IUCLID 5

NOEC Dusts OECD 412 5 hours per

and mists day

Inhalation

Ammonium Chloride Sub-chronic Rat – Male 684 mg/kg 10 weeks IUCLID 5

NOAEL – Oral

<u>Conclusion/Summary</u> No known significant effects or critical hazards.

General No known significant effects or critical hazards.

Carcinogenicity No known significant effects or critical hazards.

Mutagenicity No known significant effects or critical hazards. Teratogenicity No known significant effects or critical hazards.

Development effects No known significant effects or critical hazards.

Fertility effects

No known significant effects or critical hazards.

SECTION 12 Ecological Information

Eco-toxicity The product is not expected to be toxic to aquatic organisms.

12.1 Toxicity

Product/Ingredient NameResultSpeciesExposureReferenceAmmonium NitrateAcute LC50Fish-Fish48 hIUCLID 5

447 mg/l Fresh Water

Acute EC50 Aguatic 48 h IUCLID 5

490 mg/l invertebrates Fresh Water Daphnia

Acute EC50 Aquatic plants 10 d IUCLID 5

1,700 mg/l Algae

Salt Water



Ammonium Chloride	Acute LC50 Marine Water	Fish – Fish	96 h		IUCLID 5		
	Acute LC50 209 mg/l Fresh Water	Fish – Fish	96 h		IUCLID 5		
	Acute EC50 101 mg/l	Aquatic invertebrates Daphnia	48 h		IUCLID 5		
	Acute EC50 90.4 mg/l Marine Water	Aquatic plants Algae	10 d		IUCLID 5		
Product/Ingredient Name Ammonium Chloride (cont.)	Result Acute EC 50 1,300 mg/l Fresh Water	<u>Species</u> Aquatic plants Green Algae	Exposur 5 d	<u>e</u>	Reference IUCLID 5		
Calcium Fluoride (CaF2)	Acute EC50 26 mg/l Fresh Water	Aquatic invertebrates Water Flea	96 h		IUCLID 5		
	Acute EC50 10.5 mg/l Marine Water	Aquatic invertebrates Water Flea	96 h		IUCLID 5		
	Acute EC50 43 mg/l	Aquatic plants Algae Fresh Water	96 h		IUCLID 5		
	Acute EC50 81 mg/l	Aquatic – plants Algae Marine Water	96 h		IUCLID 5		
Conclusion/Summary	No know significant effects or critical hazards.						
12.2 Persistence and Degradability Product/Ingredient Name Ammonium Nitrate	Aquatic half-life	<u>Photoly</u>	<u>sis</u>	Not rele	adability vant for ic substances	<u>Reference</u>	
Ammonium Chloride					evant for ic substances		
Calcium Fluoride (CaF2)					vant for ic substances		
Conclusion/Summary	No known significant effects or critical hazards.						

12.3 Bio-accumulative Potential



Product/Ingredient Name LogPow BCF Potential Reference

Ammonium Chloride <0 -

Conclusion/Summary No known significant effects or critical hazards.

12.4 Mobility in Soil Soil/Water partition

co-efficient (KOC) Not available

Mobility Not available

12.5 Results of PBT and vPvB assessment

PBT Not applicable vPvB Not applicable

<u>12.6 Other adverse effects</u> No known significant effects or critical hazards.

SECTION 13 Disposal Considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the

Exposure Scenario(s).

13.1 Waste Treatment Methods

Product

Methods of Disposal The generation of waste should be avoided or minimised wherever possible. Significant

quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose 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.

Hazardous Waste Within the present knowledge of the supplier, this product is not regarded as hazardous waste,

as defined by EU Directive 2008/98/EC.

Packaging

Methods of Disposal The generation of waste should be avoided or minimised wherever possible. Waste packaging

should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Empty the bag by shaking to remove as much as possible of its contents. Empty bags

may be disposed of as non-hazardous material or returned for recycling.

Special Precautions This material and its container must be disposed of in a safe way. 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 ADR/RID

14.1 UN Number Not Regulated

14.2 UN proper Shipping Name

14.3 Transport Hazard Class(es)

14.4 Packing Group

<u>14.5 Environmental Hazards</u> No <u>14.6 Additional Information</u> ADR/RID



Regulation ADN

14.1 UN Number Not Regulated

14.2 UN proper Shipping Name

14.3 Transport Hazard Class(es)

14.4 Packing Group

14.5 Environmental Hazards No

14.6 Additional Information

ADN Marine Pollutant No

Regulation IMDG

14.1 UN Number Not Regulated

<u>14.2 UN proper Shipping Name</u> <u>14.3 Transport Hazard Class(es)</u>

14.4 Packing Group

14.5 Environmental HazardsNo14.6 Additional InformationIMDGMarine PollutantNo

Special precautions for user Not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

14.8 IMSBC

Proper Shipping Name AMMONIUM NITRATE, BASED FERTILISER (non-hazardous)

Class Not applicable

Group C

SECTION 15 Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

EU Legislation Regulation (EC) No 1907/2006 (REACH) Annex XIV – List of substances subject to authorisation.

Substances of high concern Not applicable.

Other EU Regulations

Europe Inventory Not determined

Integrated pollution prevention

and control list (IPPC) – Air

Listed

Integrated pollution prevention

and control list (IPPC) -Water

Not listed

Seveso II Directive Not applicable.

National Regulations

Notes To our knowledge no other country or state specific regulations are applicable.

15.2 Chemical Safety Assessment This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16 Other Information

Abbreviations and Acronyms ATE = Acute Toxicity Estimate

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CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

DMEL = Derived Minimal Effect Level

EUH = CLP specific Hazard Statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

PBT = Persistent, Bio-accumulative Toxicity

vPvB = Very Persistent, and Very Bio-accumulative

bw = Body Weight

Key Literature references and sources for data

EU REACH IUCLIDS CSR

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

IHS, 4777 Levy Street, St Laurent, Quebec HAR 2P9, Canada.

Regulation (EC) No 1272/2008 Annex VI.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification Not classified
Justification On basis of test data.

Full text of abbreviated H statements H302 – Harmful if swallowed

H319 – Causes serious eye irritation. H272 – May intensify fire; oxidiser.

Full text of classification [CLP/GHS] Acute Tox.4 ,H302 - ACUTE TOXICITY ORLA - Category 4

Eye Dam./Irrit.2, H319 – SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2.

Ox. Sol.3, H272 - OXIDISING SOLIDS - Category 3.

Full text of abbreviated R phrases R8 - Contact with combustible material may cause fire.

R22 - Harmful if swallowed. R36 - Irritating to eyes.

Full text of classifications [DSD/DPD] O- Oxidising

Xn - Harmful Xi - Irritant

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated.

However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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