SAFETY DATA SHEET

According to EC Regulation 1907/2006/EC

Tuba

Revision Date *18-Jan-2010*
Revision Number *1*

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name	Tuba
Company/Undertaking Identification	Taminco BVBA
Address	Pantserschipstraat 207 9000 GENT BELGIUM
Telephone	(+32) 9 254 14 11
Telefax	(+32) 9 254 14 10
Emergency Telephone Number	(+32)9 254 10 36
E-mail address	MSDS_ASC@taminco.com
Use of the Substance/Preparation	Foliar fertilizer

2. HAZARDS IDENTIFICATION

Most Important Hazards

- aqueous solution
- Incompatible with strong acids and oxidizing agents
- May cause eye/skin irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Haz/Non-haz

Chemical Name	CAS-No	Weight %	EINECS	Classification
P, K Fertilizer		-	236-809-2	-

4. FIRST AID MEASURES

General Advice
- If symptoms persist, call a physician
- Show this safety data sheet to the doctor in attendance

Inhalation
- Move to fresh air

Eye Contact
- Contact with eyes may cause irritation
- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

Skin Contact
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Ingestion
- Clean mouth with water and afterwards drink plenty of water
- Do not induce vomiting
- If a person vomits when lying on his back, place him in the recovery position
- Keep at rest
- Obtain medical attention

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
- foam
- water spray
- carbon dioxide (CO2)
- or
- Dry powder

Extinguishing media which must not be used for safety reasons
- No information available

Specific methods
- If without risk, remove unopened packages from exposure to fire
- Use water spray to cool unopened containers

Special protective equipment for fire-fighters
- Fire-fighting measures
- Personal protection through wearing a tightly closed chemical protection suit and a self-contained breathing apparatus

Specific hazards
- In case of fire hazardous decomposition products may be produced such as
- Flammable gases
- Hydrogen

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
- Wear suitable protective equipment
- When using, do not eat, drink or smoke
- Avoid contact with the skin and the eyes
- Ensure adequate ventilation

Environmental Precautions
- Prevent further leakage or spillage
- Prevent product from entering drains

Methods for Clean-up
- Flush with plenty of water
- Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container
- Evacuate personnel to safe areas

7. HANDLING AND STORAGE

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Storage

Technical measures/Precautions
- Keep container tightly closed
- Store in original container
- Specified Class 1 Substances PRTR

Incompatible products
- Do not store near acids
- Do not store together with oxidizing agents

Handling

Safe Handling Advice
- Handle in accordance with good industrial hygiene and safety practice
- SY1 - Wear overall, boots and gloves while handling or applying the product
- SY8 - Wash your hands and uncovered parts of the body before eating, drinking or smoking and after spraying

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

Chemical Name	GOEL	ACGIH TLV
P, K Fertilizer	Not listed	Not listed

Personal Protective Equipment

Eye/face Protection
- Chemical resistant goggles must be worn

Hand Protection
- Rubber gloves
- PVC disposable gloves

Respiratory Protection
- No special precautions required

Skin Protection
- SY1 - Wear overall, boots and gloves while handling or applying the product

Environmental exposure controls
- Local authorities should be advised if significant spillages cannot be contained

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State Aqueous
Liquid
Color Colorless
Odor mild

Important Health Safety and Environmental Information

Boiling Point/Range No data available
Flash Point No data available
Viscosity Not applicable
Vapor Pressure No data available

pH	7.0
Water solubility	Soluble
Melting Point/Range	Not applicable
Density	1.23 @ 16 °C
Autoignition Temperature	No data available

10. STABILITY AND REACTIVITY

Conditions to Avoid
- Stable under normal conditions

Materials to avoid
- S14 - Keep away from strong oxidizing agents

Hazardous Decomposition Products
- Hydrogen
- flammable materials
- Thermal decomposition
- Above 200°C, hazardous fumes may be released

11. TOXICOLOGICAL INFORMATION

Product Information

LD50/oral/rat = > 2000 mg/kg

Eye irritation	Mild eye irritation
Skin irritation	Mild skin irritation
Mutagenic Effects	Not reported to be mutagenic
Reproductive toxicity	Not reported to be reprotoxic
Carcinogenic effects	Not reported to be carcinogenic

Human experience

Human experience May cause headache and dizziness
vomiting

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish	No information available
Toxicity to daphnia	No information available
Toxicity to algae	No information available
Toxicity to bacteria	- No information available

Mobility

No information available

Persistence/Degradability

Bioaccumulative Potential

Plant nutrient

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products

- Small amounts
- Flush with plenty of water
- Large amounts:
- Dispose of in accordance with local regulations

Contaminated Packaging

- In accordance with local and national regulations
- Clean container with water

14. TRANSPORT INFORMATION

Road transport

not regulated

Sea transport

not regulated

Air transport

not regulated

15. REGULATORY INFORMATION

S -phrase(s)

- S14 - Keep away from .?
- oxidizing agents
- S18 - Handle and open container with care
- S37 - Wear suitable gloves
- S39 - Wear eye/face protection
- Rinse empty containers with water and use the rinse-water to prepare the working solution

International Inventories

Chemical Name	TSCA	EINECS	DSL	ENCS	AICS
P, K Fertilizer	X	236-809-2	NDSL - Listed	(1)-707	Listed.

16. OTHER INFORMATION

Literary Reference

Literary Reference
-IUCLID CD-ROM, 2000
-TOMES on line

Further information for the safety data sheet

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The 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,. unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.