

Safety Data Sheet

Printing date 01/04/2024

Version Number 1.0

Reviewed on 01/04/2024

1 Identification**Product identifier**Trade name: CHRYSO TurboCast 650A

SDS ID Number: 1094

Relevant identified uses of the substance or mixture, and uses advised against:
Specialty construction product. Not intended for other uses.**Details of the supplier of the safety data sheet****Manufacturer/Supplier:**CHRYSO, Inc.
3958 Ruger Dr.
Royse City, Texas 75189

Telephone: (972) 772-6010

Emergency telephone number: 24 Hour Contact : CHEMTREC 1-800-424-9300**2 Hazard(s) identification****Classification of the substance or mixture**Harmful if swallowed.
Causes serious eye damage.**Label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS)**Hazard pictograms**

Danger

Hazard statementsHarmful if swallowed.
Causes serious eye damage.**Precautionary statements**Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear eye protection / face protection.
If swallowed: Call a poison center/doctor if you feel unwell.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center/doctor.
Rinse mouth.
Dispose of contents/container in accordance with local/regional/national/international regulations.**Hazard description:****NFPA ratings (scale 0 - 4)**Health = 3
Fire = 1
Reactivity = 0

(Cont. on page 2)

USGHS

Safety Data Sheet

Printing date 01/04/2024

Version Number 1.0

Reviewed on 01/04/2024

Trade name: *CHRYSO TurboCast 650A*

(Cont. from page 1)

HMIS-ratings (scale 0 - 4)

HEALTH 3

Health = *3

FIRE 1

Flammability = 1

REACTIVITY 0

Reactivity = 0

Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**3 Composition/information on ingredients****Chemical characterization: Mixture****Description:** Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.**Hazardous components:**

10124-37-5	Calcium nitrate	40-<50%
540-72-7	Sodium thiocyanate	3-<5%
102-71-6	Triethanolamine	1-<3%

Additional information: Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.**4 First-aid measures****Description of first aid measures****General information:** Get medical advice/attention if you feel unwell.**After inhalation:**

If symptoms develop, supply fresh air. If required, provide artificial respiration and seek immediate medical treatment.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF INHALED: Call a doctor if you feel unwell.

After skin contact: Immediately rinse with water.**After eye contact:** Rinse cautiously with water for several minutes.**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

Information for doctor:**Most important symptoms and effects, both acute and delayed** Harmful if swallowed.**Indication of any immediate medical attention and special treatment needed** No further relevant information available.**5 Fire-fighting measures****Extinguishing media****Suitable extinguishing agents:**

This material, if dried to a solid powder-like form, will become an oxidizer, which may provide oxygen to combustible materials.

Special hazards arising from the substance or mixture

Combustion products can include toxic gases such as carbon monoxide and smoke.

(Cont. on page 3)

USGHS

Trade name: *CHRYSO TurboCast 650A*

(Cont. from page 2)

Advice for firefighters

Protective equipment: Wear personal protective equipment.

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up:

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

Use neutralizing agent.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:

Precautions for safe handling

Avoid contact with eyes, skin and clothing.

Do not take internally.

Practice good personal hygiene to avoid ingestion.

Use only with adequate ventilation.

Wash clothing before reuse.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see section 7.

Control parameters

Components with limit values that require monitoring at the workplace:

102-71-6 Triethanolamine

EL (Canada) Long-term value: 5 mg/m³

EV (Canada) Long-term value: 3.1 mg/m³, 0.5 ppm

TLV (USA) Long-term value: 5 mg/m³

Additional information:

The lists that were valid during the creation were used as basis.

(Cont. on page 4)

USGHS

Trade name: **CHRYSO TurboCast 650A**

(Cont. from page 3)

Canadian employers must consult the exposure limits in their province.

Exposure controls

Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Material of gloves

Nitrile rubber.

Rubber or other impervious gloves should be worn to prevent skin contact.

Eye protection:



Safety glasses with side shield protection.



A face shield should also be worn if there is potential exposure to splash or spray.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Color:	Amber to Dark Brown
Odor:	Characteristic
Odor threshold:	Not applicable.

pH-value (~) at 20 °C (68 °F): 6

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
Flash point:	Not applicable.

Flammability (solid, gaseous): Not applicable.

Auto igniting: Undetermined.

Decomposition temperature: Not applicable under normal storage conditions.

Ignition temperature: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not applicable.

(Cont. on page 5)

Safety Data Sheet

Printing date 01/04/2024

Version Number 1.0

Reviewed on 01/04/2024

Trade name: **CHRYSO TurboCast 650A**

(Cont. from page 4)

Upper:	Not applicable.
Vapor pressure:	Not determined.
Density: (~) at 20 °C (68 °F)	1.4 g/cm ³ (11.7 lbs/gal)
Vapor density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with Water:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Molecular weight	Not determined.
Other information	No further relevant information available.

10 Stability and reactivity

Reactivity

Stable under normal conditions.
No further relevant information available.

Chemical stability

Thermal decomposition: No decomposition if used according to specifications.

Possibility of hazardous reactions

No dangerous reactions known.
No further relevant information available.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

10124-37-5 Calcium nitrate

Oral	LD50	302 mg/kg (rat)
------	------	-----------------

102-71-6 Triethanolamine

Oral	LD50	5,300 mg/kg (guinea pig)
		6,400 mg/kg (rat - male)
Dermal	LD50	>10,000 mg/kg (rabbit)
	LC50, 96h	11,800 mg/l (fish)

Primary irritant effect:

on the skin: No irritating effect expected

on the eye: Causes serious eye damage.

inhalation: No irritating effect expected

Ingestion: Harmful if swallowed.

(Cont. on page 6)

USGHS

Safety Data Sheet

Printing date 01/04/2024

Version Number 1.0

Reviewed on 01/04/2024

Trade name: **CHRYSO TurboCast 650A**

(Cont. from page 5)

Additional toxicological information:**102-71-6 Triethanolamine**

NOEC/NOEL 16 mg/l (crustaceans) (Chronic NOEC)

Carcinogenic categories**IARC (International Agency for Research on Cancer) Human Carcinogenicity:****Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable**

102-71-6 Triethanolamine

3

NTP (National Toxicology Program)**K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed.

12 Ecological information**Toxicity****Aquatic toxicity:****102-71-6 Triethanolamine**

EC50, 72h 512 mg/l (algae)

EC50, 48h 609.88 mg/l (daphnia magna)

Persistence and degradability No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:** Must not reach bodies of water or drainage ditch undiluted or unneutralized.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**13 Disposal considerations****Disposal methods:****Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:**Recommendation:** Dispose of contents/container in accordance with local/regional/national/international regulations.

USGHS

(Cont. on page 7)

Safety Data Sheet

Printing date 01/04/2024

Version Number 1.0

Reviewed on 01/04/2024

Trade name: *CHRYSO TurboCast 650A*

(Cont. from page 6)

14 Transport information

UN-Number
DOT, IMDG, IATA Not applicable.

UN proper shipping name
DOT, IMDG, IATA Not applicable.

Transport hazard class(es)
DOT, IMDG, IATA
Class Not applicable.

Packing group
DOT, IMDG, IATA Not applicable.

Environmental hazards: Not applicable.

Special precautions for user Not applicable.

Transport/Additional information:

DOT
Remarks: Not Regulated.

15 Regulatory information

Other regulations in domestic and foreign countries
SARA (Superfund Amendments and Reauthorization Act)

Section 302/304 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

10124-37-5	Calcium nitrate	41.0%
------------	-----------------	-------

SARA Section 312/Tier I & II Hazard Categories:
Health Hazard - Acute toxicity (any route of exposure)
Health Hazard - Serious eye damage or eye irritation

North America Chemical Inventory Status**TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

CEPA (Canadian DSL):

All ingredients are listed or exempt from listing unless otherwise noted below.

Right to Know Ingredient Disclosure:

7732-18-5	Water
-----------	-------

California Proposition 65: (Substances <0.1% unless noted in Section 3)**Chemicals known to cause cancer:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Carcinogenicity Categories

TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)
Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable

Triethanolamine	A3
-----------------	----

(Cont. on page 8)

USGHS

Safety Data Sheet

Printing date 01/04/2024

Version Number 1.0

Reviewed on 01/04/2024

Trade name: *CHRYSO TurboCast 650A*

(Cont. from page 7)

NIOSH-Cancer (National Institute for Occupational Safety and Health)

None of the ingredients are listed.

Volatile Organic Compounds (VOC) reported per the Emission Standards.

If no g/L value is provided this product is not subject to above standard.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS:

GCP Applied Technologies

2325 Lakeview Pkwy

Alpharetta GA, 30009 USA

USA: +1-617-876-1400 (24 hours)

+1-800-354-5414

The first date of preparation 01/04/2024**Number of revision times and the latest revision date** 1.0 / 01/04/2024

USGHS