P. O. Box: 29024 - 00100 Nairobi - Kenya
Office Line: +254 20 240 3391/+254 717 742 436 /+254 740 529 579
Email: info@eabusinesscompany.com, eabclimited@gmail.com
Skype: *ksantosh*

MATERIALSAFETYDATASHEET

1.Identificationofthesubstanceormixtureandofthesupplier

PRODUCTNAME	CAPTAN80%WG
CAS-No	133-06-2
SUBSTANCEGROUPS	Phthalimidefungicide

Detailsofthesupplierofthesafetydatasheet

CompanyName:InnerMongoliaGoldenSeasonChemistryCo.,Ltd.

Address: Crossroad of 3rd Puwei Road & 6th Pujing Road, Tengri Economic Development Zone,AlashanLeague,InnerMongoliaautonomousregion,China.

2.Hazardsidentification Classification OSHARegulatoryStatus

Thischemicalisconsideredhazardousbythe2012OSHAHazard CommunicationStandard (29CFR1910.1200)

Acutetoxicity-Dermal	Category4-(H312)
Acutetoxicity-Inhalation(Dusts/Mists)	Category3-(H331)
Seriouseyedamage/eyeirritation	Category1-(H318)
Skinsensitization	Category1-(H317)

Labelelements



Signalword:DANGER **Hazardstatements** H312-Harmfulincontactwithskin H317-Maycauseanallergicskinreaction H318-Causesseriouseyedamage H331-Toxicifinhaled **PrecautionaryStatements-Prevention** P280-Wearprotectivegloves/protectiveclothing/eyeprotection/faceprotection P261-Avoidbreathingdust/fume/gas/mist/vapors/spray

P. O. Box: 29024 - 00100 Nairobi - Kenya
Office Line: +254 20 240 3391/+254 717 742 436 /+254 740 529 579
Email: info@eabusinesscompany.com, eabclimited@gmail.com
Skype: *ksantosh*

P271-Useonlyoutdoorsorinawell-ventilatedarea P272-
Contaminatedworkclothingshouldnotbeallowedoutoftheworkplace
PrecautionaryStatements-Response P302+P352-
IFONSKIN:Washwithplentyofsoapandwater
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortableforbreathing P305+P351+P338-
IFINEYES:Rinsecautiouslywithwaterforseveralminutes.Remove contactlenses,ifpresentandeasytodo.Continuerinsing P310-
ImmediatelycallaPOISONCENTERordoctor/physician P311-
CallaPOISONCENTERordoctor/physician P312-
CallaPOISONCENTERordoctor/physicianifyoufeelunwell P333+P313-
Ifskinirritationorrashoccurs:Getmedicaladvice/attention P363-
Washcontaminatedclothingbeforereuse **PrecautionaryStatements-Storage** P403+P233-
Storeinawell-ventilatedplace.Keepcontainertightlyclosed P405-Storelockedup
PrecautionaryStatements-Disposal P501-
Disposeofcontents/containertoanapprovedwastedisposalplant
Hazardsnototherwiseclassified(HNOC) Notapplicable

3.Composition/Informationoningredient

Component	CAS-No	Content%w/w
Captan	133-06-2	80.0
Calciumdodecylbenzene Sulfonate	26264-06-2	5.0
PVP	25249-54-1	5.0
Sodium dodecylbenzenesulphonate	25155-30-0	3.0
Kaolin	100403-46-1	Addto100

P. O. Box: 29024 - 00100 Nairobi - Kenya
Office Line: +254 20 240 3391/+254 717 742 436 /+254 740 529 579
Email: info@eabusinesscompany.com, eabclimited@gmail.com
Skype: *ksantosh*

4.First-aidmeasures

Eyes Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsingeye.Callapoisoncontrolcenterordoctorfortreatmentadvice.

Skin Takeoffcontaminatedclothing.Rinseskinimmediatelywithplentyofwater for15-20minutes.Callapoisoncontrolcenterordoctorforfurthertreatment advice.

Ingestion Callapoisoncontrolcenterordoctorimmediatelyfortreatmentadvice.Have personsipaglassofwaterifabletoswallow.Donotinducevomitingunless told to do so by a poison control center or doctor. Do not give anything by mouthtoanunconsciousperson.

Inhalation Moveperson tofresh air. If person isnot breathing, call an ambulance,then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poisoncontrolcenterordoctorforfurthertreatmentadvice.

Mostimportantsymptomsandeffects,bothacuteanddelayed

Havetheproductlabelorcontainerwithyou whencallingapoisoncontrolcenterordoctor, orgoingfortreatment.

NoteToPhysician Probablemucosaldamagemaycontraindicatetheuseofgastriclavage. Nospecificantidote.Treatsymptomatically.

5.Fire-fightingmeasures

FlashPoint	NotApplicable
FlammableLimits	NotApplicable
ExtinguishingMedia	ConsideredNon-Combustible,UseMediumAppropriateToSurroundingFire. DryChemical,CarbonDioxide,Foam,WaterSprayOrFog.

HazardousCombustionProducts Oxidesofcarbon,oxidesofnitrogenandchlorine-containingcompoundsmaybeformedina firesituation.

P. O. Box: 29024 - 00100 Nairobi - Kenya
Office Line: +254 20 240 3391/+254 717 742 436 /+254 740 529 579
Email: info@eabusinesscompany.com, eabclimited@gmail.com
Skype: *ksantosh*

SpecialFireFightingProcedures

If water is used to fight fire or cool containers, contain run-off by diking to prevent contamination of water supplies. Avoid breathing smoke. Wear self-contained breathing apparatusandfullprotectivegear.

UnusualFireAndExplosionHazards

Dustsmayformexplosivemixtureswithair;avoidusingheavywaterstreams.

6.Accidentalreleasemeasure StepsToBeTakenIfMaterialIsReleasedOrSpilled

Avoid breathing dusts.Wear appropriate safety equipment. Sweep up dry spills and transfer toapprovedchemicalcontainers.Washthespillareawithwatercontainingastrongdetergent, absorbwithpetlitterorotherabsorbentmaterial,sweepupandplaceinachemicalcontainer. Flush the area with water to remove any residue. Check local, state and federal regulations forproperdisposal.

Caution Keepspillsandcleaningrunoffoutofmunicipalsewersandopenbodiesofwater.

7.Handlingandstorage Precautionsforsafehandling

Washhandsbeforeeating,drinking,chewinggum,usingtobaccoorusingthetoilet.Remove clothingimmediatelyifpesticidegetsinside.Thenwashthoroughlyandputoncleanclothing. Remove PPE after handling this product. Wash the outside of gloves before removing. As soonaspossible,washthoroughlyandchangeintocleanclothing.

Conditionsforsafestorage,includinganyincompatibilities

Store in original container in locked storage areas. Avoid cross contamination with other pesticides and fertilizers during handling and storage. Do not store heat or open flame.

Protectfromtemperaturesbelow0 F.Notforuseorstorageinoraround thehome.Donot contaminatewater,foodorfeedbystorageanddisposal.

8.Exposurecontrols/personalprotection

ExposureGuidelines

Component	OSHAPEL&8hrTWA	ACGIHTLV-TWA
Captan	notlisted	5mg/m^3

P. O. Box: 29024 - 00100 Nairobi - Kenya
Office Line: +254 20 240 3391/+254 717 742 436 /+254 740 529 579
Email: info@eabusinesscompany.com, eabclimited@gmail.com
Skype: *ksantosh*

Particulates	15mg/m^3 (totaldust)	NotEstablished

Legend ACGIH-AmericanConferenceofGovernmentalIndustrialHygienists OSHA-OccupationalSafetyandHealthAdministration **EngineeringMeasures**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specifiedintheWPS.

PersonalProtectiveEquipment

Eyes: Wear chemical splash goggles/faceshield where splashing is possible. Maintaineyewashfountainandquick-drenchfacilitiesinworkarea.

Skin: Wear protective clothing: long-sleeved shirts and pants, shoes with socks. Wearrubberorchemical-resistantgloves.

Clothing: Wearimperviousprotectiveclothingtominimizecontactwithskin.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or EuropeanStandardEN149.UseaNIOSH/MSHAorEuropeanStandardEN 149 approved respirator if exposure limits are exceeded or if irritation or othersymptomsareexperienced.

PersonalProtectiveEquipment(PPE)

All mixers, loaders, applicators and other handlers (including handlers participating in seeding and transplanting as part of root-dip or greenhouse-soil treatments) must wear: long-sleeved shirt and long pants, shoes plus socks, protective eyewear, chemical resistant gloves made of any waterproof material (except pilots, flaggers or applicators driving motorizedequipment)suchasbarrierlaminate,butylrubber,naturalrubber,neoprenerubber, ornitriterubber>14mils,andchemical resistantapronwhen mixing,loading, participating in dip treatments, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables,usedetergentandhotwater.KeepandwashPPEseparatelyfromotherlaundry.

P. O. Box: 29024 - 00100 Nairobi - Kenya
Office Line: +254 20 240 3391/+254 717 742 436 /+254 740 529 579
Email: info@eabusinesscompany.com, eabclimited@gmail.com
Skype: *ksantosh*

1. Physicalandchemicalproperties

PhysicalState	Solid
Appearance	Off-whitegranule
Odor	Mildlypungentodor
BoilingPoint/Range	Notapplicable
Density	Notapplicable
VaporPressure	Notapplicable
Solubility	Disperses

Note:Thesephysicaldataaretypicalvaluesbasedonmaterialtestedbutmayvaryfromsampletosample.

Typicalvaluesshouldnotbeconstruedasaguaranteedanalysisofanyspecificlotorasspecificationitems.

10.Stabilityandreactivity

Stability Stableundernormalconditions.

ConditionstoAvoid Excessheat.

IncompatibleMaterials Notestablished.

HazardousDecomposition Products Oxidesofcarbon,oxidesofnitrogenandchlorine-containingcompoundsmaybeformedinafire situation.

HazardousPolymerization Hazardouspolymerizationdoesnotoccur.

11.Toxicologicalinformation

AcuteOralLD$_{50}$ (rat):>5000mg/kg **AcuteDermalLD$_{50}$ (rat):**>2000mg/kg **InhalationLC$_{50}$ (rat):**>2.77mg/l

EyeIrritation(rabbit): Seriouseyedamage **SkinIrritation(rabbit):**Non-irritation

SkinSensitization(guineapig): Non-sensitiser

12.Ecologicalinformation

AcuteoralLD$_{50}$ forbobwhitequail:>2000mg/kg.

Acutetoxicitytofish:LC$_{50}$ (96h)forrainbowtrout0.30mg/l.

Acutetoxicitytodaphniamagna:EC$_{50}$ (48h)fordaphniamagna9.6mg/l.

Acutetoxicitytobeesbycontactandoral:LD$_{50}$ (oral)>100µg/bee;(contact)>100µg/bee.

P. O. Box: 29024 - 00100 Nairobi - Kenya
Office Line: +254 20 240 3391/+254 717 742 436 /+254 740 529 579
Email: info@eabusinesscompany.com, eabclimited@gmail.com
Skype: *ksantosh*

13.Disposalconsiderations

PesticideDisposal: Wastesresultingfromtheuseofthisproductmaybedisposedofonsite oratanapprovedwastedisposalfacility.

ContainerDisposal: Non-refillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer. If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.Triple rinse or pressure rinse container (or equivalent) promptly after emptying. For packages up to 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 secondsaftertheflowbeginstodrip.Repeatthisproceduretwomoretimes.Pressurerinseas follows:Emptytheremainingcontentsintoapplicationequipmentoramixtankandcontinue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment ormix tankorcollect rinsatefor lateruseordisposal.Insert pressure rinsingnozzlein thesideofthecontainer,and rinseat about 40 PSIforat least 30 seconds.

Drain for 10 seconds after the flow begins to drip. For packages greater than 5 gallons and less than 56 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tipcontaineronitssideandrollitbackandforth,ensuringatleastonecompleterevolution, for30seconds.Standthecontaineronitsendandtipitbackandforthseveraltimes.Turnthe container over onto its other end and tip it back and forth several times. Empty the rinsate intoapplicationequipmentoramixtankorstorerinsateforlateruseordisposal.Repeatthis proceduretwomoretimes.

Pressurerinseasfollows:Emptytheremainingcontentsintoapplicationequipmentoramix tankandcontinuetodrainfor10secondsaftertheflowbeginstodrip.Holdcontainerupside downoverapplicationequipmentormixtankorcollectrinsateforlateruseordisposal.Insert pressure rinsing nozzlein theside ofthe container,and rinse at about 40 PSIfor at least 30

P. O. Box: 29024 - 00100 Nairobi - Kenya
Office Line: +254 20 240 3391/+254 717 742 436 /+254 740 529 579
Email: info@eabusinesscompany.com, eabclimited@gmail.com
Skype: *ksantosh*

seconds. Drain for 10 seconds after the flow begins to drip. For packages greater than 56 gallons:Tocleanthecontainerbeforefinaldisposal,emptytheremainingcontentsfromthis containerintoapplicationequipmentormixtank.Fillthecontainerabout10percentfullwith water.Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsateintoapplicationequipmentorrinsatecollectionsystem.Repeatthisrinsingprocedure two more times. For refillable containers: Refill this container with pesticide only. Do not reusethiscontainerforanyotherpurpose.Cleaningthecontainerbeforefinaldisposalisthe responsibility of the person disposing of the container. Cleaning before refilling is the responsibilityoftherefiller.Tocleanthecontainerbeforefinaldisposal,emptytheremaining contentsfrom thiscontainerintoapplicationequipmentormixtank.Fillthecontainerabout 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes.Pourorpumprinsateintoapplicationequipmentorrinsatecollectionsystem.Repeat thisrinsing procedure two moretimes. Offer for recycling orreconditioning, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and localauthorities.

14.Transportinformation

DOT Shipping Description: RQ UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CAPTAN), 9, III ERG GUIDE 171 U.S. Surface Freight Classification: INSECTICIDES OR FUNGICIDES, INSECTORANIMALREPELLENTS; NOI;OTHERTHANPOISON(NMFC102120;CLASS:60)

15. Regulatoryinformation NFPA&HMISHazardRatings:

NFPA		HMIS	
3	Health	3	Health
0	Flammability	0	Flammability
0	Instability	0	Instability
		H	PPE

CA Proposition 65: WARNING: This product contains chemicals known to the State of Californiatocausecancerorbirthdefectsorotherreproductiveharm.

DANGER – This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under

P. O. Box: 29024 - 00100 Nairobi - Kenya
Office Line: +254 20 240 3391/+254 717 742 436 /+254 740 529 579
Email: info@eabusinesscompany.com, eabclimited@gmail.com
Skype: *ksantosh*

`

federal pesticide law. These requirements differ from the classification criteria and hazard information required forsafety data sheets (SDS), and for workplace labels ofnon-pesticide chemicals.

1. Otherinformation

Thedatagivenhereisbasedoncurrentknowledgeandexperience.Thepurposeofthissafety data sheet is to describe the product in terms of its safety requirements. The data does not signifyandwarrantywithregardtotheproduct'sproperties.