

**OMACIDE IPBC 20 INDUSTRIAL FUNGICIDE**

Version 1.0

MSDS Number: 000000021055

Revision Date: 2015.06.01

**SECTION 1. IDENTIFICATION**

Product name : OMACIDE IPBC 20 INDUSTRIAL FUNGICIDE

Product code : 000000021055

**Manufacturer or supplier's details**

Company : Arch Chemicals, Inc.

E-mail address : prodinfo@lonza.com

Emergency telephone number : +41 61 313 94 94 (24h )

For US only CHEMTREC 1-800-424-9300

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Acute toxicity (Inhalation) : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitisation : Category 1

Specific target organ toxicity -  
single exposure : Category 3 (Respiratory system)**GHS Label element**

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.Precautionary statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the  
workplace.  
P280 Wear eye protection/ face protection.  
P280 Wear protective gloves.  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air

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and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : Carbamate

**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	25265-77-4	40.00
CARBAMIC ACID, BUTYL-, 3-iodo-2-propynyl ester	55406-53-6	20.00
[2-(2-Methoxymethylethoxy)methylethoxy]propanol	25498-49-1	40.00
CARBAMIC ACID, BUTYL-, 3-iodo-2-propynyl ester	55406-53-6	20.00

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**SECTION 4. FIRST AID MEASURES**

Notes to physician : Exposure to high concentrations via inhalation of this product may result in the inhibition of acetylcholinesterase. Symptoms may include: blurred vision, nausea, vomiting, abdominal cramps, salivation and profuse sweating. Labored breathing, tremors, muscle twitching, staggered gait and headache may also occur. Penetration into the CNS by carbamates generally are insignificant and therefore, few CNS symptoms would be expected to occur. There is a rapid recovery in acetylcholinesterase activity with a rapid disappearance of symptoms after the cessation of exposure. Treatment for carbamate poisoning with atropine may be indicated in severe cases.

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**SECTION 5. FIREFIGHTING MEASURES**

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- Suitable extinguishing media : Use alcohol foam, carbon dioxide, dry chemical or water spray when fighting fires. Water or foam may cause frothing if liquid solvent or oil is burning but it still may be a useful extinguishing agent if carefully applied to the fire.
- Specific hazards during firefighting : Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition.
- Further information : In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus. Use water to cool containers.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Avoid breathing mist or vapor.  
Wash thoroughly after handling.  
Do not take internally.  
Avoid contact with eyes, skin, and clothing.  
Upon contact with skin or eyes, wash off with water.
- Conditions for safe storage : Store in a cool, dry and well ventilated place. Isolate from incompatible materials.  
Keep containers tightly closed when not in use.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters****Appropriate engineering controls**

- Engineering measures** : Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

**Personal protective equipment**

## Hand protection

- Remarks : Wear impervious gloves, boots and apron to avoid skin contact. A full impervious suit is recommended if exposure is possible to a large portion of the body. A safety shower should be provided in the immediate work area.

- Skin and body protection : Impervious

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid

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Colour	: no data available
Odour	: mild, fragrant aromatic
Odour Threshold	: no data available
pH	: no data available
	: Not applicable
Boiling point/boiling range	: no data available
Flash point	: no data available
Evaporation rate	: LONZA-Z09.00400000 1 Method: LONZA-S10000000007702
Flammability (solid, gas)	: Combustible above 93 deg. C / 200 deg. F.
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: no data available
Water solubility	: no data available
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Decomposition temperature	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Oxidizing properties	: No data

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**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid	: Sparks, open flame, other ignition sources, and elevated temperatures.
Incompatible materials	: Strong oxidizing agents strong acids strong alkalis

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Hazardous decomposition products : Carbon monoxide, Carbon dioxide  
Oxides of nitrogen  
Iodine vapors

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure : Inhalation, skin, eyes, ingestion

**Acute toxicity**

Acute oral toxicity (LD50) : 2,090 mg/kg  
Species: Rat  
Remarks: Believed to be

Acute dermal toxicity (LD50) : Believed to be > 2,000 mg/kg  
Species: Rabbit

**Skin corrosion/irritation**

Skin irritation : Assessment: severely irritating  
Remarks: This material is expected to be extremely irritating.

**Serious eye damage/eye irritation**

Eye irritation : Assessment: severely irritating  
Remarks: This material is expected to be severely irritating.

**Respiratory or skin sensitisation**

Sensitisation : Remarks: This material tested positive for skin sensitization in animals.

**Carcinogenicity**

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**Further information**

Remarks: See inhalation toxicity for additional effects.

Medical Surveillance: Consideration should be given to putting in place a medical surveillance program to monitor acetylcholinesterase levels of employees potentially exposed to carbamates.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**Other adverse effects**

Ozone-Depletion Potential : Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : Highly/very toxic to fish and other aquatic organisms.

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Spent or discarded material is not expected to be a hazardous waste.

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**SECTION 14. TRANSPORT INFORMATION****IATA**

**UN number** : 3082  
**Proper shipping name** : Environmentally hazardous substance, liquid, n.o.s.  
(CARBAMIC ACID, BUTYL-, 3-iodo-2-propionyl ester)  
**Transport hazard class** : 9  
**Packing group** : III  
Labels : 9MI  
**Environmental hazards** : yes

**IMDG**

**UN number** : 3082  
**Proper shipping name** : Environmentally hazardous substance, liquid, n.o.s.  
(CARBAMIC ACID, BUTYL-, 3-iodo-2-propionyl ester)  
**Transport hazard class** : 9  
**Packing group** : III  
Labels : 9  
EmS Number 1 : F-A  
EmS Number 2 : S-F  
**Environmental hazards** : Marine pollutant: yes

**ADR**

**UN number** : 3082  
**Proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S.  
(CARBAMIC ACID, BUTYL-, 3-iodo-2-propionyl ester)  
**Transport hazard class** : 9  
**Packing group** : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9  
**Environmental hazards** : yes

**RID**

**UN number** : 3082  
**Proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S.  
(CARBAMIC ACID, BUTYL-, 3-iodo-2-propionyl ester)  
**Transport hazard class** : 9  
**Packing group** : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9  
**Environmental hazards** : yes

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**DOT**

**UN number** : 3082  
**Proper shipping name** : Environmentally hazardous substance, liquid, n.o.s.  
(CARBAMIC ACID, BUTYL-, 3-iodo-2-propynyl ester)  
**Transport hazard class** : 9  
**Packing group** : III  
Labels : 9  
Emergency Response Guidebook : 171  
Number  
**Environmental hazards** : yes

**TDG**

**UN number** : 3082  
**Proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S.  
(CARBAMIC ACID, BUTYL-, 3-iodo-2-propynyl ester)  
**Transport hazard class** : 9  
**Packing group** : III  
Labels : 9  
**Environmental hazards** : yes

**Special precautions for user** : none

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not applicable

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**SECTION 15. REGULATORY INFORMATION**

**This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.**

Signal word : DANGER!  
Hazard statements : Harmful if swallowed.  
May be fatal if absorbed through skin.  
Harmful if inhaled.  
Corrosive. Causes skin burns.  
Corrosive. Causes irreversible eye damage.  
This pesticide is toxic to fish.  
This pesticide is toxic to aquatic invertebrates.

**EPCRA - Emergency Planning and Community Right-to-Know Act****SARA 302**



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No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313**

The following components are subject to reporting levels established by SARA Title III, Section 313:

CARBAMIC ACID, BUTYL-, 3-iodo-2- propynyl ester	55406-53-6	20 %
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**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**US State Regulations****Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	25265-77-4	30 - 50 %
[2-(2-Methoxymethylethoxy)methylethoxy]propanol	25498-49-1	30 - 50 %
CARBAMIC ACID, BUTYL-, 3-iodo-2-propynyl ester	55406-53-6	20 - 30 %

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**New Jersey Right To Know**

Isobutyric acid, monoester with 2,2,4-trimethylpentane- 1,3-diol	25265-77-4	30 - 50 %
[2-(2- Methoxymethyleth- oxy)methylethoxy]propanol	25498-49-1	30 - 50 %
CARBAMIC ACID, BUTYL-, 3-iodo-2-propynyl ester	55406-53-6	20 - 30 %

**California Prop 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**The components of this product are reported in the following inventories:**

TSCA : This is an EPA registered pesticide.

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

**SECTION 16. OTHER INFORMATION**

Revision Date : 2015.06.01

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.