



Safety Data Sheet (GHS US)

Technical IBDU

SDS Revision Date: 08/29/2017

1. Identification

1.1. Product identifier

Product Identity Technical IBDU

Alternate Name N-Fertilizer. See label for Guaranteed Analysis.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Fertilizer

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name COMPO EXPERT GmbH
Krögerweg 10
D-48155 Münster

Distributed by: COMPO EXPERT USA & Canada, Inc.
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Vero Beach, FL 32961

Emergency

24 hour Emergency Telephone Nos. United States
CHEMTREC - (800) 424-9300

International Central Safety & Environment
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2. Hazard(s) identification

2.1. Classification of the substance or mixture No applicable GHS categories.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

No applicable GHS categories.

[Prevention]:

No GHS prevention statements [Response]:

No GHS response statements [Storage]:

No GHS storage statements [**Disposal**]:

No GHS disposal statements

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
N,N"-(2-methylpropane-1,1-diyl)diurea CAS Number: 6104-30-9	100		

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

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

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation If breathed in, move person into fresh air.

Eyes Immediately flush eye(s) with plenty of water.

Skin Rinse with water.

Ingestion Rinse mouth thoroughly with water. Let water be swallowed in little sips (dilution effect). In all cases of doubt, or when symptoms persist, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Overview This mixture is not classified as hazardous according to Regulation 1272/2008/EC (CLP). See section 2 for further details.

5. Fire-fighting measures

5.1. Extinguishing media

Water spray

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Can be released in case of fire: Nitrogen oxides (NO_x). Ammonia. Isobutyraldehyde

5.3. Advice for fire-fighters

Foam, Carbon dioxide, dry extinguishing powder, sand

Wear a self-contained breathing apparatus and chemical resistant suit. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Waste disposal according to official state regulations.

ERG Guide No. 140

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Do not empty into drains or the aquatic environment. Collect mechanically. Treat the assimilated material according to the section on waste disposal. Clear contaminated area thoroughly.

7. Handling and storage

7.1. Precautions for safe handling

Wear suitable protective clothing. Do not eat, drink, smoke or sneeze at the workplace. Notice the directions for use on the label.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Reducing agents. Sulphur, chlorites, chloride, chlorates, hypochlorites, acidic or alkaline substances, flammable, oxidising substances, nitrites, metal salts, metal powders, herbicides, chlorinated hydrocarbons, organic compounds.

Keep container tightly closed in a cool, well-ventilated place.

Protect against: UV-radiation/sunlight. heat. moisture. (This product is hygroscopic)

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Infectious substances.

Radioactive substances. Food and fodder. Non-combustible toxic substances. Combustible toxic substances.

peroxides. Pyrophoric Substances. Substances or mixtures which, in contact with water emit flammable gases:

Do not mix with other fertilizers.

Do not mix with other chemicals.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
6104-30-9	N,N'-(2-methylpropane-1,1-diyl)diurea	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

8.2. Exposure controls

Respiratory	With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection required in case of: Generation/formation of dust exceeding critical value Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P1 or N95-N100 particle filter
Eyes	Eye protection: not required. Avoid generation of dust. In the case of the formation of dust.: Dust protection goggles.
Skin	Wear overalls to keep skin contact to a minimum. Hand protection: not required. Wash hands thoroughly after handling.
Engineering Controls	Avoid generation of dust. In the case of high dust generation: In case of open handling, use devices with built-in suction where possible. If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Variable Solid
Odor	Odorless
Odor threshold	Not Measured
pH	~6,5 (100 g/L) at 20 C
Melting point / freezing point	205 °C
Initial boiling point and boiling range	Not Measured
Flash Point	Not Measured
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	Not Measured
Solubility in Water	Soluble
Partition coefficient n-octanol/water (Log Kow)	-0,903 (N,N''-(2- methylpropane-1,1-diyl)diurea)
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
Bulk Density	700 kg/m ³
9.2. Other information	No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Protect against UV radiation/sunlight, heat, moisture.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Can be released in case of fire: Nitrogen oxides (NOx). Ammonia. Isobutyraldehyde

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
N,N'-(2-methylpropane-1,1-diyl)diurea - (6104-30-9)	>10000 mg/kg	>2000 mg/kg	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not an irritant. (OECD 404)
Serious eye damage/irritation	---	Not an irritant. (OECD 405)
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Ames test negative. (OECD 471)
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Negative (OECD TG 422)
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
N,N"-(2-methylpropane-1,1-diy)diurea - (6104-30-9)	>1000 mg/l	~500 mg/l	>500 mg/l

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

12.2. Persistence and degradability

N,N"-(2-methylpropane-1,1-diy)diurea:

OECD 301C / ISO 9408 / EEC 92/69 annex V, C.4-F = 78% (28d)

Easily biodegradable (concerning to the criteria of the OECD)

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA Transportation)
14.1. UN number	Not a hazardous material with respect to these transport regulations. && Not controlled under DOT.		
14.2. UN proper shipping name	Not a hazardous material with respect to these transport regulations. && Not controlled under DOT.		
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable I

14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user

No further information

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance (TSCA) Inventory All components of this material are either listed or exempt from listing on the TSCA **Control Act (TSCA)** Inventory.

WHMIS Classification D2B

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): No

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>0,0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>0,0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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