

Natural V

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 08/12/2014

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
 Trade name : Natural V
 Product code : C026-5

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

1.2.1. Relevant identified uses

Use of the substance/mixture : General purpose carpet cleaning powder concentrate

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Harris Research, Inc. 1530 North 1000 West Logan, UT 84321 USA 1-435-755-0099 1-800-424-9300 1-703-527-3887	Denmark, Norway, Sweden Chem-Dry Nordic Aps Munkegaardsvej 21 Kivstgaard, 3490 45-48-14-44-18 th@chemdry.dk	Chem-Dry France Parc d'activites "Le Prieure" RuePaulin Viry 37530 Poce-sur-Cisse +33 761 8906 79 a.baba@chemdry-france.fr
Chem-Dry of Ireland LTD Unit 30 Tolka Valley Business Park Ballyboggan Road, Glasnevin Dublin, DN011 353 1 830 3940 john@chemdry.ie	Chem-Dry Luxembourg S.A. Rue De La Continentale Zac Zaemer Bascharage, L-4917 652 26 35 00 20 info@chemdry.lu	Netherlands, Belgium, Germany Chem-Dry Netherlands BV Vijfhuizenberg 127 Roosendaal, 4708 AJ 31(0)165-570 610 info@chemdry.nl
Portugal/Angola Ambiclean-Limpeza De Alcatifas, LDA Rua Samaora Machel N 3-D Urbanizacoa Alto Da Eira Sta Iria Da Azoia, 2695-395 351 21 953 00 33 info@chemdryportugal.com	Switzerland/Lichtenstein Chem-Dry Switzerland Kellerhofstrasse 11 Elgg, 8353 (41)523643031 liz.prohaska@procamed.ch	UK/England/Scotland/Wales Chem-Dry® Franchising Ltd. Belprin Road Beverley, East Yorkshire HU17 0LP 44 01482 678 645 e.info@chemdry.co.uk

1.4. Emergency telephone number

Emergency number : Chemtrec (800) 424-9300
 Chemtrec (Outside USA) +1 703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Dam. 1 H318

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R36

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H318 - Causes serious eye damage

Precautionary statements (CLP) :

P280 - Wear eye protection, protective clothing, protective gloves
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER, a doctor

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Adipic acid	(CAS No) 124-04-9 (EC no) 204-673-3 (EC index no) 607-144-00-9	<50	Xi; R36
Disodium carbonate	(CAS No) 497-19-8 (EC no) 207-838-8 (EC index no) 011-005-00-2	<30	Xi; R36
Monopotassium carbonate substance with national workplace exposure limit(s) (CZ)	(CAS No) 298-14-6 (EC no) 206-059-0	<10	Not classified
Tetrasodium EDTA	(CAS No) 64-02-8 (EC no) 200-573-9 (EC index no) 607-428-00-2	<9	Xn; R22 Xi; R41
Urea substance with national workplace exposure limit(s) (BG, LT, LV)	(CAS No) 57-13-6 (EC no) 200-315-5	5-10	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Adipic acid	(CAS No) 124-04-9 (EC no) 204-673-3 (EC index no) 607-144-00-9	<50	Eye Irrit. 2, H319
Disodium carbonate	(CAS No) 497-19-8 (EC no) 207-838-8 (EC index no) 011-005-00-2	<30	Eye Irrit. 2, H319
Monopotassium carbonate substance with national workplace exposure limit(s) (CZ)	(CAS No) 298-14-6 (EC no) 206-059-0	<10	Not classified
Tetrasodium EDTA	(CAS No) 64-02-8 (EC no) 200-573-9 (EC index no) 607-428-00-2	<9	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Urea substance with national workplace exposure limit(s) (BG, LT, LV)	(CAS No) 57-13-6 (EC no) 200-315-5	5-10	Not classified

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. by trained personnel. In all cases of doubt, or when symptoms persist, seek medical advice.
First-aid measures after skin contact	: Rinse and then wash skin thoroughly with water and soap. Remove/Take off immediately all contaminated clothing. Seek medical attention if irritation develops.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

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First-aid measures after ingestion : Ingestion is not considered a potential route of exposure. If swallowed, rinse mouth with water (only if the person is conscious). Get medical advice/ attention. Call a POISON CENTER or doctor/physician.

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

Symptoms/injuries after inhalation : Dust from this product may cause respiratory irritation.
Symptoms/injuries after skin contact : Frequent or prolonged contact with skin may cause dermal irritation.
Symptoms/injuries after eye contact : Dust/Mist. Causes serious eye damage.
Symptoms/injuries after ingestion : may cause gastrointestinal tract irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Use dry chemical, foam, carbon dioxide or water fog.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Evacuate the personnel away from the fumes.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus.
Other information : Thermal decomposition generates : carbon oxides (CO and CO₂). Nitrogen oxides (NO_x). unburned hydrocarbons.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid breathing dust, mist or spray.

6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8. Avoid contact with the skin and the eyes.
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Evacuate unnecessary personnel. Provide adequate ventilation to minimize dust concentrations.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Avoid raising powdered materials into airborne dust. Store away from other materials. Small spills: Sweep up or vacuum up the product. Take precautionary measures against static discharge. Ensure all national/local regulations are observed.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Work in a well-ventilated area. Keep away from heat and direct sunlight. Avoid breathing dust, mist or spray. Avoid contact with eyes, skin, and clothing. Avoid raising powdered materials into airborne dust. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : A washing facility/water for eye and skin cleaning purposes should be present. Provide local exhaust to maintain dust levels below exposure limits.
Storage conditions : Keep locked up and out of reach of children. Keep only in the original container in a cool well ventilated place. Store in dry protected location to prevent any moisture contact.
Incompatible materials : Strong oxidizing agents. Acids. Bases. Water.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Adipic acid (124-04-9)		
Belgium	Limit value (mg/m ³)	5 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	5 mg/m ³
Finland	HTP-arvo (8h) (mg/m ³)	5 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	15 mg/m ³ (calculated)
Latvia	OEL TWA (mg/m ³)	4 mg/m ³
Lithuania	IPRV (mg/m ³)	4 mg/m ³
Poland	NDS (mg/m ³)	5 mg/m ³ (dust)
Poland	NDSch (mg/m ³)	10 mg/m ³ (dust)
Portugal	OEL TWA (mg/m ³)	5 mg/m ³
Spain	VLA-ED (mg/m ³)	5 mg/m ³
Disodium carbonate (497-19-8)		
Czech Republic	Expoziční limity (PEL) (mg/m ³)	5 mg/m ³
Romania	OEL TWA (mg/m ³)	1 mg/m ³
Romania	OEL STEL (mg/m ³)	3 mg/m ³
Urea (57-13-6)		
Bulgaria	OEL TWA (mg/m ³)	10.0 mg/m ³
Latvia	OEL TWA (mg/m ³)	10 mg/m ³
Lithuania	IPRV (mg/m ³)	10 mg/m ³
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	30 µg Hg/g creatinine (Biological limit)
Norway	Gjennomsnittsverdier (Korttidsverdi) (mg/m ³)	45 µg Hg/g creatinine (Biological limit)
Monopotassium carbonate (298-14-6)		
Czech Republic	Expoziční limity (PEL) (mg/m ³)	5 mg/m ³

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation to minimize exposure to dust.

Personal protective equipment : Avoid all unnecessary exposure. The following pictograms represent the minimum requirements for personal protective equipment. Personal protective equipment should be selected based upon the conditions under which this product is handled or used. Protective goggles. Protective clothing. Gloves.



Hand protection : Wear protective gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection : When engaged in activities where ingredients could contact the eye, wear safety glasses with side shields or goggles. In extremely dusty environments and unpredictable environments, wear unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when working with ingredients.

Skin and body protection : Wear suitable protective clothing. Wear protective shoes.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Powder.

Colour : White.

Odour : Odourless.

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Odour threshold	: No data available
pH	: No data available
pH solution	: 6 - 7 (2.1% in aqueous solution)
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: completely soluble
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Reacts slowly with water (moisture): release of harmful gases/vapours carbon dioxide.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Do not allow water (or moist air) contact with this material.

10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agent. Water.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Adipic acid (124-04-9)	
LD50 oral rat	> 11000 mg/kg
LC50 inhalation rat (mg/l)	> 31 mg/l (Exposure time: 1 h)

Disodium carbonate (497-19-8)	
LD50 oral rat	4090 mg/kg
LC50 inhalation rat (mg/l)	2300 mg/m ³ (Exposure time: 2 h)

Tetrasodium EDTA (64-02-8)	
LD50 oral rat	1658 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met.

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Carcinogenicity	: Not classified Based on available data, the classification criteria are not met.
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met.
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met.
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Adipic acid (124-04-9)	
LC50 fishes 1	97 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	85.7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Disodium carbonate (497-19-8)	
LC50 fishes 1	300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	265 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	310 - 1220 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
Urea (57-13-6)	
LC50 fishes 1	16200 - 18300 mg/l (Exposure time: 96 h - Species: Poecilia reticulata)
EC50 Daphnia 1	3910 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Tetrasodium EDTA (64-02-8)	
LC50 fishes 1	41 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 fish 2	59.8 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

12.2. Persistence and degradability

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Persistence and degradability	Not established.

12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
Adipic acid (124-04-9)	
Log Pow	0.081 (at 25 °C)
Disodium carbonate (497-19-8)	
BCF fish 1	(no bioaccumulation)
Urea (57-13-6)	
BCF fish 1	< 10
Log Pow	-1.59 (at 25 °C)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

: Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Ensure all national/local regulations are observed. Wash contaminated areas with large quantities of water to a sanitary sewer, if in accordance with local, state or national legislation.

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Additional information : It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

No additional information available

14.3. Transport hazard class(es)

No additional information available

14.4. Packing group

No additional information available

14.5. Environmental hazards

Other information : No supplementary information available

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Tetrasodium EDTA
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Natural V

Contains no substance on the REACH candidate list

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed
H318	Causes serious eye damage
H319	Causes serious eye irritation
R22	Harmful if swallowed
R36	Irritating to eyes
R41	Risk of serious damage to eyes
Xi	Irritant
Xn	Harmful

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SDS EU (REACH Annex II)

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