

1	Identification of the substance/mixture and of the company / undertaking	
1.1	Product identifier:	TN 2
	UFI:	YF00-Q07A-A00N-4F5Q
1.2	Relevant identified uses of the substance or mixture and uses advised against:	Special cleaning liquid for hall floors, for pre-treatment of wax-spots.
1.3	Details of the supplier of the safety data sheet:	Johann Tripmacker GmbH
	Adress:	Bültengeweg 48 D-38106 Braunschweig Fon +49 531-2 38 038 Fax +49 531-2 38 03 30 www.trimona.de
	E-mail address for a competent person responsible for the safety data sheet:	info@tripmacker.com
1.4	Emergency telephone number:	+49 531-2 38 038
	Contactable:	Office hours (Mo – Do: 07.00 – 16.00; Fr: 07.00 – 14.30)
2	Hazards identification	
2.1	Classification of the substance or mixture in accordance with Regulation 1272/2008 (CLP):	H225 Highly flammable liquid and vapour. Flam. Liq. 2. Danger. GHS02 H319 Causes serious eye irritation. Eye Irrit. 2. Warning. GHS07. H336 May cause drowsiness or dizziness. STOT SE 3. Warning. GHS07.
2.2	Label elements:	<p>Danger</p> H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P271 Use only outdoors or in a well-ventilated area. P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403+233 Store in a well-ventilated place. Keep container tightly closed.
2.3	Other hazards / the substance or mixture meets the criteria for PBT or vPvB in accordance with Annex XIII:	None
	Classification, including the hazard statements and R phrases, written out in full:	See section 16
3	Composition / information on ingredients	
	Description:	This product is a mixture.
3.1	Chemical name:	Ethanol
	CAS No:	64-17-5
	EINECS No.:	200-578-6
	Classification in accordance with Regulation 1272/2008 (CLP):	Danger. GHS02 Flame, Flam. Liq. 2, H225. GHS07, Eye Irrit. 2, H319.
	Range of percentages:	60-70 %
3.2	Chemical name:	Isopropanol
	CAS No:	67-63-0

	EINECS No.:	200-661-7
	Classification in accordance with Regulation 1272/2008 (CLP):	Danger. GHS02, Flam. Liq. 2, H225. GHS07, Eye Irrit. 2, H319; STOT SE Kat. 3, H336
	Range of percentages:	20-30 %
4	First aid measures	
4.1	Description of first aid measures:	In case of contact with eyes, rinse immediately with plenty of water. If symptoms occur: Get medical advice/attention. In case of contact with skin: Gently wash with plenty of soap and water.
4.2	Most important symptoms and effects, both acute and delayed:	Unknown
4.3	Indication of any immediate medical attention and special treatment needed:	No data available.
5	Firefighting measures	
5.1	Suitable extinguish media:	CO ₂ , dry extinguishing powder, water spray jet, alcohol resistant foam.
	Extinguishing media which must not be used for safety reasons:	Full water jet.
5.2	Special hazards arising from the substance or mixture:	Unknown
5.3	Advice for firefighters:	Cool container, e.g. with water spray jet.
6	Accidental release measures	
6.1	Personal precautions, protective equipment and emergency procedures:	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
6.2	Environmental precautions:	Not necessary.
6.3	Methods and material for containment and cleaning up:	Sweep up and shovel.
6.4	Reference to other sections:	No
7	Handling and storage	
7.1	Precautions for safe handling:	Use only outdoors or in a well-ventilated area. Wash hands before breaks and after work. When using do not eat, drink, smoke, sneeze. Observe common measures of precaution in handling chemicals. Keep away from sources of ignition - No smoking.
7.2	Conditions for safe storage, including any incompatibilities:	Protect against: high temperatures, solar irradiation, frost, cold, humidity. Ensure adequate ventilation.
7.3	Specific end use(s):	Special cleaning liquid for hall floors
8	Exposure controls/personal protection	
8.1	Control parameters (AGW = occupational exposure limits [Germany]):	Ethanol (CAS 64-17-5) AGW: 500 ml/m ³ (ppm) respectively 960 mg/m ³ Excess factor: 2(II); DFG, Y Isopropanol (CAS 67-63-0) AGW: 200 ml/m ³ (ppm) respectively 500 mg/m ³ Excess factor: 2(II); DFG, Y
8.2	Exposure controls	
	Appropriate engineering controls:	Not necessary
	Individual protection measures, such as personal protective equipment:	Ensure adequate ventilation
	Environmental exposure controls:	Not necessary
9	Physical and chemical properties	
9.1	Information on basic physical and chemical properties	
	Appearance:	Clear liquid
	Odour:	Like alcohol
	Odour threshold:	n/a
	pH (10 g in 50 g water):	about pH 7,5
	Melting point / freezing point:	No data available
	Initial boiling point and boiling range:	> 60°C

	Flash point:	About 12-15°C
	Evaporation rate:	No data available
	Flammability (solid, gas):	No data available
	Upper/lower flammability or explosive limits:	No data available
	Vapour pressure:	No data available
	Vapour density:	No data available
	Relative density:	0,8 g/ml
	Solubility(ies):	No data available
	Partition coefficient: n-octanol/water:	No data available
	Auto-ignition temperature:	No data available
	Decomposition temperature:	No data available
	Viscosity:	No data available
	Explosive properties:	No data available
	Oxidising properties:	No data available
9.2	Other information:	None
10	Stability and reactivity	
10.1	Reactivity:	No data available
10.2	Chemical stability:	No data available
10.3	Possibility of hazardous reactions:	No data available
10.4	Conditions to avoid:	
10.5	Incompatible materials:	No data available
10.6	Hazardous decomposition products:	No hazardous decomposition products known.
11	Toxicological information	
11.1	Information on toxicological effects	
	Acute toxicity:	No data available
	Irritation:	No data available
	Corrosivity:	No data available
	Sensitisation:	No data available
	Repeated dose toxicity:	No data available
	Carcinogenicity:	All ingredients without CMR-effects
	Mutagenicity:	All ingredients without CMR-effects
	Toxicity for reproduction:	All ingredients without CMR-effects
12	Ecological information	
12.1	Toxicity:	No data available
12.2	Persistence and degradability:	No data available
12.3	Bioaccumulative potential:	No data available
12.4	Mobility in soil:	No data available
12.5	Results of PBT and vPvB assessment:	n/a
12.6	Other adverse effects:	No data available
13	Disposal considerations	
13.1	Waste treatment methods:	Product-resets may be disposed of in household waste. Completely emptied packings can be re-cycled.
14	Transport information	
	ADR / RID (road / rail); ADN (inland waterways) and IMDG (maritime); ICAO (air):	
14.1	UN number:	1993
14.2	UN proper shipping name:	FLAMMABLE LIQUID N.O.S. (Ethanol)
14.3	Transport hazard class(es):	3
14.4	Packing group:	II
14.5	Environmental hazards:	n/a
14.6	Special precautions for user:	Ensure adequate ventilation
14.7	Transport in bulk according to Annex II of MAR-POL73/78 and the IBC Code:	n/a
14.8	Limited and excepted quantities:	1 L

14.9	Tunnel restriction code:	2 D/E
15	Regulatory information	
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture:	None
15.2	Chemical safety assessment:	Concerning mixtures a chemical safety assessment is not intended.
15.3	Water hazard class (Germany):	WGK 1
16	Other information	
	Indication of changes:	Three lines at the right side.
	Abbreviations:	n/a non-applicable nwg not water endangering
	Data references:	Material Safety Data Sheets of ingredients / raw materials.
	Mixtures: methods of evaluating information referred to in Article 9 of Regulation (EC) No 1272/2008 used for the purpose of classification:	n/a
	List of relevant hazard statements and precautionary statements:	H225 Highly flammable liquid and vapour. Flam. Liq. 2. Danger. GHS02
		H226 Flammable liquid and vapour.
		H319 Causes serious eye irritation. Eye Irrit. 2. Warning. GHS07.
		H336 May cause drowsiness or dizziness. STOT SE 3. Warning. GHS07.
	Training advice:	None
The details rest on the today's level of our knowledge. However, they demonstrate no assurance of product features and explain no contractual legal relationship.		