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Material Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Productname : KF 1280 - ND **Creationdate :** 10.07.08
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1. IDENTIFICATION OF PRODUCT AND COMPANY

Productname : KF 1280 - ND
Aerosol

Application : Anti Corrosion Products

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2. HAZARD IDENTIFICATION

Health and Safety : Extremely Flammable
Irritating to eyes and skin.
Vapours may cause drowsiness and dizziness.
Remark: Preparations classified as harmful on the basis of an aspiration hazard need not be labelled as harmful with R65 when placed on the market in aerosol containers or in containers fitted with a sealed spray attachment. (EU-Directive 67/548 Annex VI 9.4)

Environment : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other hazards : Pressurised container: protect from sunlight and

do not expose to temperatures exceeding 50°C.
Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

Without adequate ventilation formation of explosive mixtures may be possible.

3. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	203-539-1	1-5		10	A
methylcyclohexane	108-87-2	203-624-3	0-1	F,Xn,N	11-38-51/53-65-67	B
cyclohexane	110-82-7	203-806-2	1-5	F,Xn,N	11-38-50/53-65-67	A
2-(2-butoxyethoxy) ethanol; diethylene glycol monobutyl ether	112-34-5	203-961-6	<0.05	Xi	36	A
dimethyl ether	115-10-6	204-065-8	30-60	F+	12	A
xylene	1330-20-7	215-535-7	<2.5	Xn	10-20/21-38	A
2-octyl-2H-isothiazol- 3-one	26530-20-1	247-761-7	<0.05	T,N	22-23/24-34-43-50/53	
(2- methoxymethylethoxy) propanol	34590-94-8	252-104-2	<0.01			A
formaldehyde ... %	50-00-0	200-001-8	<0.01	T	23/24/25-34-40-43	
3(2H)-Isothiazolone, 4,5-dichloro-2-octyl-	64359-81-5	264-843-8	<0.05	C	21/22-34-37-43-50	
Naphtha (petroleum), hydrotreated heavy (benzene<0.1%)	64742-48-9	265-150-3	1-5	Xn	10-65-66	B,P
Solvent naphtha (petroleum), heavy arom. (benzene<0.1%)	64742-94-5	265-198-5	1-5	Xn,N	51/53-65-66-67	B
Solvent naphtha (petroleum), light arom. (benzene<0.1%)	64742-95-6	265-199-0	1-5	Xn,N	10-37-51/53-65-66-67	B,P
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	200-661-7	0-1	F,Xi	11-36-67	B
acetone; propan-2-one; propanone	67-64-1	200-662-2	5-10	F,Xi	11-36-66-67	A
butan-1-ol; n-butanol	71-36-3	200-751-6	1-5	Xn	10-22-37/38-41-67	B
2-methylpropan-1-ol; iso-butanol	78-83-1	201-148-0	0-1	Xi	10-37/38-41-67	B
Solvent naphtha (petroleum), hydrotreated light naphthenic; Low boiling point hydrogen treated naphtha	92062-15-2	295-529-9	10-30	F,Xn,N	11-38-51/53-65-67	B,P
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime	96-29-7	202-496-6	<0.05	Xn	21-40-41-43	

isobutyl methacrylate	97-86-9	202-613-0	<0.05	Xi,N	10-36/37/38-43-50	B
Explanation notes						
A : substance with Community workplace exposure limit						
B : substance with national established workplace exposure limit						
P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)						

(* Explanation risk-phrases : see chapter 16)

4. FIRST AID MEASURES

General Advice :	The usual precautions for handling chemicals should be observed If any symptoms should occur, seek medical advice.
Contact with eyes :	If substance has got into eyes, immediately wash out with plenty of water for several minutes Seek immediate medical attention
Contact with skin :	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water Seek medical advice
Inhalation :	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
Ingestion :	Ingestion is unlikely to occur If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

5. FIRE-FIGHTING MEASURES

Flash point (without propellant):	< 0 °C
Explosion limits : upper limit :	not available
lower limit :	not available
Extinguishing media :	foam, carbon dioxide or dry agent
Fire-fighting procedures :	Keep container(s) exposed to fire cool, by spraying with water
Unusual exposure hazard :	Aerosols may explode if heated above 50°C

6. ACCIDENTAL RELEASE MEASURES

Personal precautions :	Shut off all ignition sources Ensure adequate ventilation Wear suitable protective clothing and gloves.
Environmental precautions :	Do not allow to enter public sewers and watercourses If polluted water reaches drainage systems or water courses, immediately inform appropriate

authorities

Cleaning methods : Absorb spillage in suitable inert material

7. HANDLING AND STORAGE

Handling procedures : Use only in well ventilated areas
Keep away from heat and sources of ignition
Do not spray on a naked flame or incandescent material.
Do not pierce or burn aerosols, even after use.
Do not breathe aerosols or vapours.
Avoid contact with skin and eyes.
Eyewash bottles should be available

Storage procedures : Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Keep in a cool, dry, well ventilated place
Keep out of reach of children.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Control procedures : Ensure adequate ventilation
Keep away from heat and sources of ignition
Take precautionary measures against static discharges

Personal protection : It is advisable to take precautions to avoid contact with skin and eyes when handling the product.
Use only in well ventilated areas

inhalation : In case of insufficient ventilation, wear suitable respiratory equipment.
(Filter type AX)

hands and skin : Wear suitable protective gloves
(nitrile)

eyes : Wear safety goggles.

Exposure limits :

Hazardous ingredient	CAS-nr	method	
EU established exposure limits:			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
cyclohexane	110-82-7	TWA	200 ppm
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	TWA	10 ppm
		STEL	15 ppm
dimethyl ether	115-10-6	TWA	1000 ppm
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm
(2-methoxymethylethoxy)propanol	34590-94-8	TWA	50 ppm
acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)

Apperance : physical state : DME propelled liquid
colour : colourless
odour : Characteristic odour

Boiling point/range :	not available
Relative density :	0.825 g/cm ³ (@ 20°C)
pH :	not applicable
Vapour pressure :	not available
Relative vapour density :	not available
Solubility in water :	Insoluble in water
Flash point :	< 0 °C
Auto-ignition :	> 200 °C
Viscosity :	not available
Evaporation rate :	not available

10. STABILITY AND REACTIVITY

Conditions to be avoided :	Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat and sources of ignition
Materials to be avoided :	Strong oxidising agent
Hazardous decomposition compounds :	CO,CO ₂

11. TOXICOLOGICAL INFORMATION

Inhalation :	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	Ingestion is unlikely to occur If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention
Skin contact :	Irritating to skin
Eye contact :	Irritating to eyes

12. ECOLOGICAL INFORMATION

Other adverse effects :	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not allow to enter public sewers and watercourses
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13. WASTE DISPOSAL

Product :	Do not empty into drains. This material and its container must be disposed of in a safe way. Disposal should be in accordance with local, state or national legislation
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14. TRANSPORT

UN-number :	1950
Road/Rail - ADR/RID :	UN1950 Aerosols Class : 2, PG : NA, Class code : 5F, Label : 2.1
Sea - IMDG :	UN1950 Aerosols Ltd Qty Class : 2.1, PG : NA, Label : 2.1
EmS	F-D,S-U
Air - IATA/ICAO :	UN1950 Aerosols, flammable Class : 2.1, PG :

	NA, Label : RFG
Packing instr. LQ	Y203
PAX	203
CAO	203

15. REGULATORY INFORMATION

Warning symbol(s) :	F+,Xi,N
Risk-phrase(s) :	R12: Extremely flammable. R36/38: Irritating to eyes and skin. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R67: Vapours may cause drowsiness and dizziness.
Safety-phrase(s) :	S2: Keep out of the reach of children. S16: Keep away from sources of ignition - No smoking. S23: Do not breathe spray. S24/25: Avoid contact with skin and eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S35: This material and its container must be disposed of in a safe way. S51: Use only in well-ventilated areas.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Without adequate ventilation formation of explosive mixtures may be possible.

16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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REVISIONS IN CHAPTRE : 2,3,8

***Explanation risk-phrases:**

R10: Flammable.
R11: Highly flammable.
R12: Extremely flammable.
R20/21: Harmful by inhalation and in contact with skin.
R22: Harmful if swallowed.
R36: Irritating to eyes.
R37: Irritating to respiratory system.
R38: Irritating to skin.
R41: Risk of serious damage to eyes.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

This Material Safety Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Material Safety Data Sheet will be sent to you upon simple request or can be found on our website : www.crcind.com. We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.