MATERIAL SAFETY DATA SHEET
MSDS

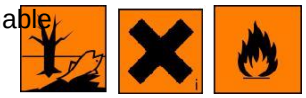
1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

PRODUCT NAME : **404 PENETRATING OIL SPRAY 200 ML -400 ML**

COMPANY NAME **:** 404 Kimya San. ve Tic. A.Ş.

Headquarters: Merkez Mahallesi Akçe Sokak Güzle İş Merkezi
No:3 Kat:1 Şile Yolu Shell Benzin İstasyonu Yanı
Çekmeköy/ İSTANBUL
Factory: Organize San. Böl. 102 Ada 7 Parsel
Selimiye Köyü OSMANELİ/ BİLECİK
Headquarters Tel: 0216 642 92 71 Fax: 0216 642 92 75
Factory Tel: 0228 470 00 14

2. HAZARDS IDENTIFICATION

2.0.1 Hazard Symbols : F +: Flammable

Xn : Harmful
2.1.1 Risk Phrases :
R 12: Extremely flammable.
R 51/53: Toxic to aquatic organisms and may cause long-term effects in the aquatic environment.
R65:Harmful: May cause lung damage if swallowed.
R 66: Repeated exposure may cause skin dryness or cracking.
2.1.2 Safety Phrases :
S 1/2: Keep locked up and out of the reach of children.
S 23: Do not breathe gas/fumes/vapour/spray
S 36/37: Wear suitable protective clothing and gloves.
S 46: If swallowed, seek medical advice immediately and show this container or label.

2.2 Other phrases: Security warning, caution flammable gas! Storage temperature should not exceed 500 ^{o}C since containers are pressurized.

2.3 The effects of exposure to excess amount :
Eye contact: May irritate eyes.
Skin contact : Causes local irritation, redness and swellings.
Inhalation: Vapors can irritate the nose and may damage upper respiratory tract.
Digestion: May cause irritation in the mouth and digestive system, in the mucous membranes.

3. INFORMATION ABOUT THE COMPOSITION/INGREDIENTS

Definition: A mixture containing non-hazardous additives and the ingredients specified here below. **Ingredients**	**CAS No.**	**EINECS No.**	**Conc. (% w/w)**	**Classification**
Standard solvent	8052-41-3	232-489-3	45-55%	**F;** R10 **Xn;** 51/53 -65- 66
Butane	106-97-8	203-448-7	1-15%	**F+;** R12
Propane	74-98-6	200-827-9	1-15%	**F+;** R12
Isobutane	75-28-5	200-857-2	1-10%	**F+;** R12

4. FIRST AID

4.1 Inhalation : Move the patient to fresh air if respiratory distress occurs and keep the patient calm. Seek medical assistance.

4.2 In case of skin contact: Wash contaminated part of skin with pressurized running water. Remove contaminated clothing and shoes immediately. If symptoms develop, get medical attention.

4.3 Eye contact : Wash eyes with plenty of water for more than 15 minutes, and seek medical advice.

4.4 If swallowed: Do not induce patient for vomiting. Never give anything by mouth to an unconscious person. Keep patient calm, head down and turned to the left. Immediately seek medical advice.

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media: Use carbon dioxide, dry chemical foam, water spray (interaction with water causes formation of carbon dioxide) for large fires.

5.2 Fire fighting material and tools to be avoided due to safety: No special provisions.

5.3 Special hazards, might be caused by product, and materials or gases formed after its combustion: Vapors are heavier than air and therefore they can move on surface due to reasons such as ventilation and flame up by ignition sources in places far away from use area.

5.4 Required protective equipment for firefighters: Face mask or respiratory mask for a safe inhalation and personal protective equipment resistant against chemicals.

5.5 Other measures: Standard procedure for chemical fire. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In the event of fire/explosion do not breathe fumes therein. Water spray may be used to cool down containers not opened.

6 . ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions: Use protective gloves, work clothing and goggles. Adequate ventilation should be provided.

Keep away from sources of ignition.
Smoking is prohibited.

6.2.2. Environmental Precautions: Dispose of empty containers as pressure vessels. Prevent spilled material from dissemination, flowing, contact with garbage, channels and sewage.

6.2.2. Methods and materials for containment and cleaning up: Gather spilled materials with non-combustible absorbent material (sand, soil), then dispose into waste containers according to local/national regulations. Clean dirty area thoroughly.

7. HANDLING AND STORAGE

7.1 Usage Use in accordance with regulation on flammable and combustible liquids. Provide good ventilation. Put the product in pressurized containers. Do not burn the product container. Wear appropriate personal protective equipment (see: Section 8). Eating, drinking and smoking should be prohibited where materials are transferred, stored, and processed. Workers must wash their hands before eating, drinking, or smoking. Avoid skin and eye contact, or do not contaminate clothes. Do not inhale vapor or mist. Do not inhale the gas. Use only with adequate ventilation. Wear appropriate mask where ventilation is inadequate.
Store and use away from heat, sparks, open flame and other ignition sources. Use equipment (ventilation, lightning and material handling) providing protection against explosion. Use tools that does not produce sparks. Product residues might be present in empty containers and they can be dangerous.

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 ° C. Do not pierce or burn, even after use.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Information on system and facility design: No special provisions.

8.2 Ingredients having specific control parameters: No special provision.

8.3 Personal Protection : 8.3.1 Respiratory Protection: Respirators must be use in poorly ventilated areas. Fresh air respirators should be used in long-term interaction.

8.3.2. Hand Protection: If necessitated by a risk assessment, water and airtight gloves resistant against chemicals, compatible with an approved standard, should be worn always when working with chemical products.
Recommended: Butyl rubber / nitrile rubber
gloves.

8.3.3. Eye Protection: To avoid exposure to splashing of liquids, fumes, gases or dust safety glasses compatible with an approved standard should be used in case of any risk.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information
Form: Liquid in pressure vessel
Color: Dark Brown
Odor: Characteristic
Flash Point: Closed container! 24 °C
Self ignition: Product does not feature self-ignition.
pH: Not applicable
Solubility in water: Not mixable or miscible.

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid. Stable under normal storage conditions. Avoid temperatures above 50 °C. Keep away from heat, flame, and sparks.
10.2 Materials to avoid: No special provisions.
10.3 Hazardous decomposition products : Carbon Dioxide (CO2), Carbon Monoxide
10.4 Other Information: No special provisions.

11. POISONING INFORMATION

11.1 Toxicity
Ingestion: Irritating to mouth, throat and stomach.
Skin contact : Prolonged and repeated skin contact may cause allergic reactions.
Eye contact : Irritating to eyes.
Other informations: Inhalation of vapors may irritate mucous membrane in respiratory system , cause coughing, respiratory distress and headache.

12. ECOLOGICAL INFORMATION

12.1 General Information
Water hazard class 3 (German Regulation) Self-assessment): Excessive amounts are hazardous for water.
Do not allow even small amounts mixing in groundwater, water and sewage.
12.2 Accumulation and degradability in nature and water: Cannot be biologically or chemically degradable. No potential of accumulation.
Fish toxicity: No application
Bacteria toxicity: Not applicable
Ecotoxicity (in water): Not applicable
Other informations: Not applicable

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Not applicable
13.2 Proper disposal Not applicable
13.3 Information on controlled disposal: Move filled containers to hazardous waste disposal facilities.
Waste key number (unused product): 160504, gases in pressurized tanks containing dangerous substances (including balloons).
13.4 Disposal in nature: Not applicable

Note: Empty containers should be taken an approved waste area for recycling or disposal. Do not burn empty barrels or do not use cutting tools with light-induced source or sparkling. Use aerosol containers until they are completely depleted (including sprayer gas). Containers not emptied in accordance with regulations must be treated as special waste. Dispose as unused product.

14. TRANSPORT INFORMATION

Transport by road/rail (ADR/RID):
ADR/RID Class: 2 5F Gas.
Risk No. : 23
UN number : 1950
Labels : 2.1
Proper shipping name: Aerosol Flammable

Maritime transport (IMDG)
IMDG Class: 2.1
UN number : 1950
Labels : 2.1
EMS number : F-D,S-U
Marine pollutant : Yes
Proper shipping name: Aerosol Flammable

Airfreight (IATA)
ICAO/IATA Class : 2.1
UN/ID number: 1950
Labels : 2.1
Proper shipping name: Aerosol Flammable

15 . REGULATORY INFORMATION

15.1. Guidelines for safety, health and environmental protection / specific legislation for substance or mixture VOC directive
VOC content 91.6%
VOC value of 637.5 g/L
15.2. Material safety assessment
Material safety assessments have not been made for the substances in this preparation.

16. OTHER INFORMATION

Currently valid information and existing EC directives and national laws are based on regarding Product Safety Information. Users instructions are beyond our knowledge and control. This product cannot be used for a different purpose without our written permission. Complying with regional law and following them all the time, fulfill the requirements are under responsibility of the user. This Material Safety Document describes requirements for safety of product, it does not cover product features.